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UNIVERSITY of  
SOUTHERN CALIFORNIA

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# Year Book for 1902-03



LOS ANGELES, CALIFORNIA  
✻ JUNE, 1903





UNIVERSITY

OF

SOUTHERN CALIFORNIA

*Year-Book for 1902-03*



LOS ANGELES, CALIFORNIA

JUNE, 1903

H. H.

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# CALENDAR

1903-1904

## THE COLLEGE OF LIBERAL ARTS

1903.

Sept. 21, Monday—First semester begins.

Nov. 26 and Nov. 27, Thursday and Friday—Thanksgiving recess.

Dec. 24, Thursday—Christmas vacation begins.

1904.

Jan. 5, Tuesday—College exercises resumed.

Jan. 21-26—Mid-year examinations.

Jan. 27, Wednesday—Second semester begins.

Jan. 28, Thursday—Day of Prayer for Colleges.

Feb. 22, Monday—Washington's Birthday; a holiday.

April 3, Saturday—Easter vacation begins.

April 12, Tuesday—College exercises resumed.

May 30, Monday—Memorial day; a holiday.

June 3-8—Final examinations.

June 6—Baccalaureate Sunday.

June 7, Tuesday—Annual meeting of Trustees.

June 8, Wednesday—Graduation exercises of the Preparatory School.

June 9, Thursday—Commencement.

June 10, Friday—Alumni Reunion.

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## THE UNIVERSITY

The University of Southern California was founded in 1879, and was formally opened for students in October, 1880. It comprehends the following departments, each of which has a distinct faculty of instruction:

The College of Liberal Arts.

The College of Medicine.

The College of Law.

The College of Dentistry.

The College of Music.

The College of Art.

It also maintains a Preparatory School, in which the course of instruction is adjusted to the requirements for admission to college as stated on other pages of this catalogue.

The government of the University is committed to a Board of twenty-one Trustees. This Board has the power to elect professors and other officers of instruction, to manage the property of the University Corporation, and to determine the general policy of the institution.

It is gratifying to the friends of the University to know that the efforts to raise for it a permanent endowment have brought encouraging results. A fund of \$200,000, started by gifts of \$65,000 from the late Rev. Asahel M. Hough and his wife, Mrs. Anna G. Hough, has recently been raised. It is confidently hoped that other friends will in the near future give material assistance to the movement to endow the University.

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- GEORGE W. LASHER, M. D. . . . . Hollenbeck Hotel  
*Professor of Surgery.*

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†Appointed in June, 1903.

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# THE COLLEGE OF LIBERAL ARTS

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## CONDITIONS OF ADMISSION

### I.—Admission to the Freshman Class

Candidates for admission to the Freshman class must be at least sixteen years of age, and must present evidence of good moral character, together with credentials from the institution in which they were prepared, or from their last instructors.

Candidates must also give, either by examination or by certificate, satisfactory evidence of preparation in *fifteen units*\* of preparatory subjects, according to the following

#### ADMISSION REQUIREMENTS:

##### For Admission to the Classical Course

English (1)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Government (4)	1
Latin (7) and (8)	4
Greek (9a)	} .....
or German (10)	
or French (11)	
Physics (6)	1
Elective subjects, chosen by the candidate from the general list of preparatory subjects described on pp 21 ff.	3

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15 units

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\*The term "unit" is used to denote a preparatory subject studied through one school year with five class exercises (or the equivalent) per week.

†The figures in parentheses give the number of the subjects in the general list of preparatory subjects described on pp. 21 ff.

For Admission to the Philosophical Course or to the Scientific Course

English (1)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Government (4)	1
Latin (7)	2
German (10) or French (11)	2
Latin (8)	} 2
or German (10) (if not counted above) ..	
or French (11) (if not counted above) ....	
or Spanish (12) .....	
or English (14) .....	
or Mathematics (15a or 15b) and a Science	} 1
Physics (6)	
Elective subjects chosen by the candidate from the general list of preparatory subjects described on pp. 21 ff.	3
	15 units

For Admission to the Scientific Course

English (1)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Government (4)	1
German (10)	2
Latin (7)	} 2
or French (11)	
or Spanish (12)	
or English (14)	
Algebra (15a)	1
Physics (6)	1
Botany (16)	} 1
or Zoology (17)	
or Chemistry (19)	
Elective subjects chosen by the candidate from the general list of preparatory subjects described on pp. 21 ff.	3
	15 units

\* The term "unit" is used to denote a preparatory subject studied through one school year with five class exercises (or the equivalent) per week.

† The figures in parentheses give the number of the subjects in the general list of preparatory subjects described on pp. 21 ff.



## CONDITIONAL ADMISSION.

Candidates may be conditionally admitted to the Freshman class if they are not deficient in more than *twenty semester-hours* (two units) of preparatory work. They must, however, remove all such conditions before they may obtain Junior standing.

## METHODS OF ADMISSION.

## I. ADMISSION BY CERTIFICATE.

Candidates who have completed a regular course in the Preparatory School of this University, or in an accredited high school, may be admitted to the College of Liberal Arts without examination, on presenting a certificate signed by the principal. Credit will be given only for entrance subjects in which the candidate is specifically recommended. Recommendations will be accepted from any school accredited by the University of California. The Faculty reserves the right, however, to require an examination upon any or all of the studies set for entrance, whenever there is doubt that the preparation has been sufficient. The candidate should bring his certificate of recommendation when he presents himself for matriculation.

## 2. ADMISSION BY EXAMINATION.

The regular examinations for admission will begin on Monday, September 21, 1903, when candidates will be examined in all the required admission subjects not covered by certificate from an accredited school.

**Preparatory Subjects**

The following items will serve to indicate both the kind and the amount of work expected in the different preparatory subjects accepted for admission, as well as the units of credit allowed for the same:

1. **ENGLISH.** A short essay on an assigned subject will be called for, with the purpose of testing the candidate's accuracy in spelling, punctuation, division into paragraphs, and his power of expressing himself in clear, correct and forcible English. The candidate will also be required to give evidence of a thorough study of the subject-matter, form and structure of each of the following assigned works, and to answer simple questions on

the lives of their authors: (1) The Lady of the Lake; (2) Gayley's Classic Myths in English Literature; (3) The Alhambra; (4) Sir Roger de Coverley; (5) Short Poems (Syle's from Milton to Tennyson), L'Allegro, Winter, Tam O'Shanter, The Deserted Village, The Winter Morning Walk, The Cotter's Saturday Night, The Ancient Mariner; (6) The Merchant of Venice; (7) Macbeth; (8) Macaulay's Warren Hastings. (2 units.)

2. ALGEBRA, including Quadratics. (1 unit.)

3. PLANE GEOMETRY, including original exercises. (1 unit.)

4. UNITED STATES HISTORY AND CIVIL GOVERNMENT. Channing, and Fiske, or an equivalent. (1 unit.)

5. GRECIAN AND ROMAN HISTORY. Myers, or an equivalent. (1 unit.)

6. PHYSICS. The equivalent of one year's work, including both laboratory and text-book work. Accurate notes of the laboratory work should be kept. Gage's Elements or Carhart and Chute's High School Physics will serve to indicate the amount of text-book study required. (1 unit.)

7. ELEMENTARY LATIN. First Latin Book; four books of Cæsar, or an equivalent; translation of simple English sentences into Latin; translation at sight of easy passages from Viri Romæ, Cæsar, or Nepos. (2 units.)

8. ADVANCED LATIN. (a) Six orations of Cicero; translation of connected passages from English into Latin. (1 unit.) (b) Six books of Vergil's Aeneid, or four books of the Aeneid and 2000 lines of Ovid's Metamorphoses; translation of connected passages from English into Latin; review of the Grammar. (1 unit.)

9. GREEK. (a) Grammar and Lessons; Anabasis, books I-III; prose composition. (2 units.) (b) Anabasis, book IV; Iliad, books I-III; prose composition; sight reading; review of the Grammar. (1 unit.)

10. GERMAN. A knowledge of the inflections of articles, nouns, adjectives, pronouns, weak verbs and usual strong verbs; also of the use of the modal auxiliaries, the common prepositions, the simpler uses of the subjunctive, and the order of words; the reading and translation of stories and plays, such as Storm's *Immensee* and Benedix's *Der Prozess*; translation of easy English into German, translation at hearing and pronunciation. (2 units.)

11. FRENCH. A knowledge of the essentials of grammar, including the inflections of nouns, adjectives, pronouns, regular and common irregular verbs; the use of personal pronouns and the elementary rules of syntax; ability to pronounce accurately and read smoothly; translation of modern stories and plays, such as About's *Le roi des montagnes* and Labiche and Martin's *Le voyage de M. Perrichon*; translation at hearing and at sight; translation of easy English into French. (2 units.)

12. SPANISH. Grammar, Garner, Monsanto or De Tornos; reading from Matzke's Spanish Readings, Knapp's Spanish Readings, Pepita Jiminez; translations of easy English into Spanish, and simple conversation in Spanish. Special importance attached to a knowledge of Spanish verbs. (2 units.)

13. MEDIAEVAL AND MODERN HISTORY. Myers, or an equivalent. (1 unit.)

14. ENGLISH LITERATURE. (1) Burke's Speech before the election at Bristol; Macaulay's First Speech on the Reform Bill; Webster's Reply to Hayne. (2) *Poems*—Milton's Lycidas and Sonnets; Dryden's Alexander's Feast and the Character of a Good Parson; Pope's Epistle to Jervas and Richard Boyle; Johnson's Vanity of Human Wishes; Gray's Elegy, and the Bard; Keats' Eve of St. Agnes, and the Nightingale; Shelley's The Cloud, The Skylark, and Sonnets on the Nile; Wordsworth's Ode on the Intimations of Immortality; Selections from Clough; Arnold's Scholar Gypsy; Browning's A Transcript from Euripides; Tennyson's The Passing of Arthur; Milton's Comus; Lowell's Vision of Sir Launfal. (3) Silas Marner. (2 units.)

15. MATHEMATICS. (a) Advanced Algebra. (1 unit.) (b) Solid Geometry; Plane Trigonometry. (1 unit.)

16. BOTANY. A full year's work with field and laboratory work; Spaulding, with Pacific Coast Flora, or an equivalent. (1 unit.)

17. ZOOLOGY. Recitations and practical work, both in the laboratory and in the field during a whole school year. (1 unit.)

18. PHYSIOLOGY. An equivalent of Martin's Human Body,—Shorter Course. (1 unit.)

19. CHEMISTRY. Laboratory and text-book work for one school year, such as outlined in Remsen's Introduction to the Study of Chemistry, or Newell's Experimental Chemistry. At least four hours per week throughout the year is required in

actual laboratory practice in order to complete the amount of laboratory work desired. (1 unit.)

NOTE.—Candidates who offer subjects in Science will be required to present their note-books in the same.

## II.—Admission to Advanced Standing

Students from other institutions of recognized collegiate rank may be admitted to such standing and upon such terms as the Faculty may deem equitable, upon presentation of letters of honorable dismissal. Every such candidate is required to present a catalogue of the institution in which he has studied, with a full statement, duly certified, of the studies he has completed, including studies passed at entrance as well as those credited. The Faculty reserves the right to determine the amount of credit to be given a student upon his certificate, after a test of at least one semester.

Students offering for college credit subjects pursued in a preparatory school which are deemed the equivalent of certain subjects in the college curriculum, as for example, trigonometry, must pass a satisfactory examination in the same before they may receive credit therefor toward the one hundred twenty-eight hours required for a degree.

## III.—Admission as Special Students

Persons who are mature and who wish to devote their time to special work in one department, or in one subject, with its related branches, may be admitted as special students. They are not candidates for a degree, but may become so by satisfying the entrance requirements for a regular course. Special students are subject to the same regulations as regular undergraduates, and failure to maintain a good standing will work forfeiture of their privileges.

Special students, on leaving the College, will be granted letters of dismissal certifying the studies they have pursued, and their recorded grades.

## STANDING AND GRADUATION

### Registration

The first day of each semester is Registration Day. On that day each student must secure from the office a registration card, obtain upon it the Treasurer's receipt, and submit it with his list of studies to the Registration Committee, for approval. This card must be returned to the office before the close of the *third* day of the semester. At the beginning of the first semester, registration of studies shall be made for the entire year. Changes in registration may be made, with the sanction of the Registration Committee, at the beginning of the second semester. Students entering for the first time should present their credentials to the Registration Committee for credit and entry; otherwise they will be required to pass examinations in the subjects necessary for admission to the class desired. In the choice of studies, all work necessary to remove conditions must be provided for first; and prescribed studies must take precedence of elective studies, or those ahead of the student's class.

### Degrees and Required Studies

Three courses of study are offered: the Classical course, leading to the degree of Bachelor of Arts (A. B.); the Philosophical course, leading to the degree of Bachelor of Philosophy (Ph. B.); the Scientific course, leading to the degree of Bachelor of Science (B. S.). In order to be recommended for a bachelor's degree the student must have completed one hundred and twenty-eight semester-hours of college work, including the prescribed studies of the course pursued, and also a *major* in one department. All fees and bills due the University must also have been satisfactorily adjusted.

A thesis is required of all candidates for a bachelor's degree. This thesis must give the result of some line of investigation connected with the student's major subject, and must be done under the direction of the head of the department in which the major work is done. The subject of the thesis must be given to the Secretary of the Faculty not later than October 15th

of the Senior year. The student is required to work upon its preparation throughout the year, and upon its acceptance will be granted four semester-hours credit. The completed thesis must be presented not later than the last Saturday in May, and a typewritten copy of the same, upon paper 8x10 inches in size, must be deposited in the library. There is no specified length for a thesis, this being determined by the nature of the subject and by the method of treating it.

A semester-hour means one exercise a week throughout a semester. It is intended that each hour of credit shall represent, for the average student, one hour of recitation or lecture and two hours of preparation or subsequent reading a week, or an equivalent amount of work in laboratory courses.

In the election of studies the student shall have regard to sequence and to the advice of the instructors in whose departments work is chosen.

The requirements for major work are stated under the courses of instruction in the departments in which a major is offered. Each student must select a major not later than the beginning of the Junior year.



## Program of Required Studies

NOTE—The Roman numerals designate courses of instruction as described on pages 31 ff; the Arabic numerals indicate the number of exercises per week throughout the year.

### For BACHELOR OF ARTS—Classical Course

FRESHMAN YEAR.—Latin I-III, 4; Greek I-II, 4; Mathematics I-II, 5; English I-II, 4.

SOPHOMORE YEAR.—German I or French I, 4; English III-IV, 2; either Latin IV-V, 3, or Greek III-IV, 3; Chemistry I-IV, 5 (or Zoology I, 4, or Botany I, 4, or Physics I-II, 3); electives to make 16.

JUNIOR YEAR.—Psychology, 3; History I, 3; electives, 10.

SENIOR YEAR.—Philosophy III-IV, 2; History IV, 3; Thesis, 2; electives, 8.

### For BACHELOR OF PHILOSOPHY—Philosophical Course

FRESHMAN YEAR.—Latin I-III, 4; English I-II, 4; Mathematics I-II, 5; German II (for those who offered German for admission) or French II (for those who offered French), 3.

SOPHOMORE YEAR.—French I (for those who have had no French) or German I (for those who have had no German), 4; English III-IV, 2; Chemistry I-IV, 5 (or Zoology I, 4, or Botany I, 4, or Physics I-II, 3); electives to make 16.

JUNIOR YEAR.—Psychology, 3; History I, 3; electives, 10.

SENIOR YEAR.—Philosophy III-IV, 2; History IV, 3; Thesis, 2; electives, 9.

### For BACHELOR OF SCIENCE—Scientific Course

FRESHMAN YEAR.—English I, 2; French II, 3; German II, 3; Chemistry I-IV, 5; Mathematics I-II, 5.

SOPHOMORE YEAR.—English III-IV, 2; Mathematics III-IV, 3; Zoology I, 4 (or Botany I, 4); electives to make 16.

JUNIOR YEAR.—Psychology, 3; History I, 3; electives, 10.

SENIOR YEAR.—Philosophy III-IV, 2; History IV, 3; Thesis, 2; electives, 7.



### Classification of Students

Students who have no entrance conditions, and who have completed twenty-four semester-hours of the prescribed work of the Freshman year, will be classed as Sophomores.

Those who have completed the work prescribed for the Freshman year, and twenty-four semester-hours of the prescribed work of the Sophomore year, will be classed as Juniors.

Those who have completed eighty-eight semester-hours, including the prescribed work of the Freshman, Sophomore, and Junior years, will be classed as Seniors.

Students who have completed one hundred twenty-eight semester hours, including all prescribed work, will be entitled to receive a degree.

### Absence From Exercises

1. Excuse must be rendered for all absences from required exercises. 2. A student who is absent during a semester from more than one-tenth of the whole number of recitations or laboratory periods held in any subject shall be required to pass a special examination in that subject at the end of the semester in which such absences occur. 3. A student who is absent from more than one-sixth of the whole number of recitations or laboratory periods held during a semester in any subject shall have his registration in that subject canceled. If, however, a student whose registration has been canceled can show sufficient cause for his absence, and if his previous standing be such as to indicate that he can make up his loss and maintain a suitable quality of work in the subject, he may have his registration restored by presenting his case to the Faculty.

In applying this rule, absence from the first or last recitation in a study, or consecutive absences in which either the first or last recitation is included, will be counted each as two absences.

4. A student who has five unexcused absences from chapel will be excluded from all recitations until the Faculty takes final action in his case.

### Examinations and Grades

At the close of each semester the regular examinations are held in the studies of the semester. After the examinations a

report is sent to the parent or guardian of each student, giving his standing in his studies for the semester. The general character of the work of each student in each study is indicated by his assignment to one of four grades, grade 1 denoting the highest excellence, and grade 4, failure to pass.

A student whose work in a subject is marked conditioned or incomplete is delinquent in that subject. Such delinquency must be made up, in such manner as the instructor may determine, on or before the tenth Saturday of the semester next after that in which the delinquency occurs. If the delinquency be not thus made up, the student will be required to take the subject again with a class before he may receive credit for the same. A fourth grade may be removed only by taking the subject in class again.

The co-operation of parents with the Faculty is earnestly solicited, in their efforts to maintain a high standard of scholarship and deportment, and to promote the welfare of all entrusted to their care.

### Master's Degree

Graduates of the College of Liberal Arts of the University, or of any other institution of like grade, may receive the Master's degree on the completion of approved courses of study equivalent in amount to thirty semester-hours. Bachelors of Arts, Philosophy, and Letters are eligible to the degree of Master of Arts; Bachelors of Science to the degree of Master of Science.

Candidates who pursue this advanced study in residence at the University may receive the degree as early as one year after graduation. Those who do not pursue the study in residence may receive the degree not earlier than two years after graduation. The provision "in residence" will require of those so enrolled an appointment for conference as often as once a week with each of the instructors with whom their work is taken.

At least sixteen semester-hours of the work offered for the Master's degree must be chosen from one department, in which the candidate has previously completed the undergraduate *major work* or an equivalent. This advanced work will be the *major subject*. The remainder of the work will be the *minor subject*,

and may be chosen from any department approved by the Faculty.

Resident candidates must register not later than the first Tuesday in October next preceding the date of the final examination. Non-resident candidates must register one year earlier.

A thesis embodying the results of investigation on an approved subject in the major department must be submitted and be approved by the major professor before the candidate may be recommended for a degree.

The subject of the thesis must be submitted to the Faculty for approval through the major professor not later than January 10, and the completed thesis not later than the last Saturday in May, of the year in which the degree is desired. The thesis must be type-written on paper 8x10 inches in size, and a copy of the same deposited in the Library.

### Expenses

The charges in the Treasurer's bill are as follows:

Tuition. per semester, payable in advance....	\$31.00
Same for single study.....	15.00
Same for two studies.....	22.50
Registration fee, included in above but not subject to rebate .....	5.00
Laboratory fee, per semester:	
General Chemistry .....	7.00
Analytical Chemistry .....	7.00
Quantitative Chemistry .....	7.00
Assaying .....	30.00 to 50.00
Advanced Physics .....	4.00
General Biology .....	4.00
Advanced Zoology .....	4.00
Advanced Botany .....	4.00
Advanced Physiology .....	4.00
Bacteriology ...	5.00

An account is kept of breakage and an additional charge made therefor.

An additional deposit of \$5.00, to cover breakage, is required in Chemistry. This deposit, less cost of breakage, is refunded at the end of the semester.

Students who are recommended by a quarterly conference as acceptable candidates for the ministry; young women who are recommended for the work of deaconess by a quarterly conference and by the Conference Board of Deaconesses; and the sons and daughters of ministers in the regular work of any evangelical denomination, may have their tuition fee reduced to one-half the regular rate.

A discount of ten per cent. will be allowed when the tuition fees for the whole year are paid in advance; also when two or more students enter from the same family.

No rebate will be allowed for absence of less than half a semester.

A fee of five dollars is charged for the bachelor's degree.

Board and furnished rooms can be secured in private families at from three dollars to five dollars per week. Furnished rooms accommodating two students, without board, cost from four to eight dollars per month. A Students' Club, organized for those who desire to economize, provides board at about two dollars and fifty cents per week.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the college for want of money.

## COURSES OF INSTRUCTION

### BIBLE

I. THE PENTATEUCH AND HISTORICAL BOOKS OF THE OLD TESTAMENT. Ethnic Cosmogonies; Semitic Tradition; Hebrew Archaeology; Comparative Ethics; Politics and Religion. Elective. *One hour, throughout the year.* (Not given in 1903-04.)

II. THE PROPHETIC AND WISDOM BOOKS OF THE OLD TESTAMENT. Literary forms; connection of Israel's history with that of contemporary nations; Messianic prophecy and other relevant topics. Elective. *One hour, throughout the year.* (Not given in 1903-04.)

III. THE GOSPEL HISTORY. The social, political and religious life of the opening of the Christian era; the supernatural in the person and ministry of Christ; Christian Ethics. Elective. *One hour, throughout the year.* (Not given in 1903-04.)

IV. THE APOSTOLIC HISTORY AND LITERATURE. Questions that agitated the Apostolic Church in conflict with Judaism, the Roman Government, and current systems of Philosophy. Elective. *One hour, throughout the year.* (Not given in 1903-04.)

V. A GENERAL VIEW OF THE BIBLE. Instead of the above courses in biblical instruction there has been arranged for 1903-04 a course of lectures to be given by several prominent gentlemen of Los Angeles and vicinity before the students of the College. These lectures will treat of the archaeological, historical, prophetic, ethical, religious, literary, musical, legal, and other phases of the Bible. *One hour, throughout the year.*

## BIOLOGY

PROFESSOR ULREY.

*Laboratory Assistants:*

G. HAMILTON TREVELYAN.

LUTHER A. RICE.

The student of biology endeavors to know animals and plants as complete, living organisms; the structure and functions of the parts; the development and life-habits; their action on environment and their modification by environment; their likenesses and differences.

This study of the laws of life by actual contact with living things cultivates in the student the power of observation and analysis. It enlarges his mental horizon and gives him not only a clearer conception of plants and animals, but also a knowledge of some of the fundamental principles of society and social institutions as organisms of a higher order.

I. GENERAL ZOOLOGY. Laboratory study of representative types of invertebrate and vertebrate animals from the simplest to the most complex. A series of lectures co-ordinating the laboratory work and dealing with the general problems of biology. The course includes a study of animal structure, functions, relationships and adaptation to environment. The student receives in-

struction in the use of the microscope, dissecting apparatus, and is directed in the study of animals in their native environment. Eight hours laboratory work and lectures per week throughout the year. *Four hours, each semester.*

II. HISTOLOGY. The microscopical anatomy of animal tissues. Methods of preparation of tissues with practice in fixing, sectioning, staining and mounting for microscopical study. The structure of tissues is studied in relation to their functional activities. Laboratory work, lectures and recitations eight hours per week one semester. Prerequisite Course I. *Four hours.*

III. EMBRYOLOGY. The general course of development of one of the higher vertebrates. Special study of the early stages of development of the organs. Embryological methods and practice in serial sectioning. The lectures deal with the general problems of embryology. Eight hours per week, one semester. Prerequisites Zoology I and II. *Four hours.*

IV. PHYSIOLOGY. Lectures, laboratory work and recitations on the activities of living organisms in general. Special study of the physiology of the human body. Eight hours per week one semester. Prerequisites Zoology I or Botany I. *Four hours,*

V. ANATOMY OF VERTEBRATES. Dissection of some of the higher vertebrates; quizzes, recitations and lectures. The course is primarily for preparatory medical students. Eight hours per week are required in the laboratory one semester. Prerequisite Zoology I. *Four hours.*

VI. SYSTEMATIC ZOOLOGY. The course deals with certain groups of vertebrates with special reference to morphology and relationships. Laboratory study, field work and lectures. Six hours per week one semester. Prerequisite Zoology I. *Three hours.*

VII. SPECIAL ZOOLOGY. Investigation of some topic of limited scope. This course is planned to meet the needs of each student prepared to pursue it. Six hours per week throughout the year. Prerequisites Zoology I, II, III, IV and V, or their equivalent. *Three hours, each semester.*

## Botany

I. GENERAL BOTANY. The course comprises a study of typical plants representing the vegetable kingdom. The first semes-



ter is devoted to cryptogams, the second semester to spermatophytes. Laboratory study, field work and lectures. Eight hours per week throughout the year. *Four hours, each semester.*

II. VEGETABLE HISTOLOGY. The minute structure of the tissues of plants. Microscopical methods of preparing permanent mounts; imbedding, sectioning and staining. Laboratory work and lectures. Eight hours per week one semester. Prerequisite Botany I. *Four hours.*

III. VEGETABLE PHYSIOLOGY. Experimental work on the physiology of plants, lectures and supplementary reading. Six hours per week one semester. Prerequisite: Botany I. *Three hours.*

IV. ECOLOGY AND TAXONOMY. A study of flowering plants (spermatophytes) in the local flora. The course deals with the relationships of plants to their environment and affinities indicated by their structure. Six hours per week one semester. Prerequisite: Botany I. *Three hours.*

### General Biology

I. BACTERIOLOGY. The course consists of a study in the laboratory and by means of lectures of the nature of the bacterial organism; its relation to disease, methods of cultivating and isolating non-pathogenic and pathogenic forms; inoculation experiments, staining of sections, examination of water, etc. Eight hours per week one semester. Prerequisite: Zoology I or Botany I. *Four hours.*

II. GEOLOGICAL BIOLOGY. Lectures, field work and laboratory study of fossil plants and animals. A general consideration of geological agents, stratification and historical succession of strata. Two hours per week one semester. Prerequisites: Zoology I, Botany I and Physics I.

III. BIONOMICS. A course of lectures dealing with the general principles of biology. The problems of inheritance, development and sex are considered from the cytological standpoint throughout the first semester. Variation, heredity, selection, regeneration and kindred topics are studied during the second semester. Two hours per week throughout the year. Prerequisites: Zoology I or Botany I. *Two hours, each semester.*

IV. EXPERIMENTAL BIOLOGY. The course consists of a series of experiments on organisms to determine their response to con-



ditions varied from those normal to the plant or animal. (a) Variation; (b) Hybridization; (c) Regeneration. The work must be continued throughout one or two years. It may be made the basis for a graduation thesis. Prerequisite: Six semesters of Zoology and Botany. *Three hours, each semester.*

V. BIOLOGICAL SEMINARY. Occasional meetings of the students and instructors of the department to consider reports of special investigation on certain subjects and the recent literature of biology.

Courses I in Zoology, Botany and General Biology will be offered each year. Other courses will be given as the time of the instructors will permit and the needs of the students present require them.

Medical preparatory students should elect Zoology I-V, Botany I, General Biology I and III, Chemistry I-V, and VII, Physics I.

Major work: (a) *Zoology*, Courses I-IV and V, or VI or VII; General Biology III. (b) *Botany*, Courses I-IV; General Biology I and III.

## CHEMISTRY

PROFESSORS STABLER AND SHEPHERD.

*Laboratory Assistant:* ARTHUR F. GILMAN.

Courses I, II, III and IV are prerequisite to all other courses in Chemistry, and are required of Freshmen in the Scientific course.

In all laboratory courses except course XI, a laboratory deposit of twelve dollars per semester for each course is required. Of these charges five dollars per semester, less breakage, is returnable at the end of the course. In course XI a fee of twenty dollars is charged, and in addition a deposit of ten to thirty dollars is required to cover cost of materials consumed.

I. GENERAL INORGANIC CHEMISTRY—NON-METALS.—Lectures and recitations, with illustrative experiments and study of a manual. Remsen's Advanced Course. Usual prerequisite, Matriculation Chemistry. To be taken in connection with course III. *Three hours, first semester.*

II. GENERAL INORGANIC CHEMISTRY—METALS. A continuation of course I, together with an introduction to the study of Qualitative Analysis. To be taken in connection with course IV. *Three hours, second semester.*

III. GENERAL INORGANIC CHEMISTRY—LABORATORY. A series of experiments illustrating the general laws of chemical action, and designed to supplement course I and be taken in connection with it. Six hours per week in the laboratory. *Two hours, first semester.*

IV. QUALITATIVE ANALYSIS. A laboratory course in elementary qualitative analysis, with occasional lectures and recitations. Noyes' Qualitative Analysis. Six hours per week in the laboratory. *Two hours, second semester.*

V. QUANTITATIVE ANALYSIS. Laboratory practice in gravimetric and volumetric determinations, with occasional lectures and recitations. Cheever-Smith's Select Methods. Nine hours per week in the laboratory. *Three hours, first semester.*

VI. ADVANCED QUALITATIVE ANALYSIS. A laboratory course involving difficult qualitative separations, and the separation and detection of some of the rare elements. Weekly lectures and discussions. Prescott and Johnson's Qualitative Chemical Analysis is recommended for reference. *Three to five hours, second semester.*

VII. ORGANIC CHEMISTRY. Lectures and recitations on the chemistry of the carbon compounds. Remsen's Organic Chemistry. *Two hours, both semesters.*

VIII. MINERAL ANALYSIS. Gravimetric and volumetric analysis of representative minerals, ores and alloys. Prerequisite: Course V. *Four or five hours, either semester.*

IX. QUANTITATIVE ANALYSIS OF AGRICULTURAL PRODUCTS. Systematic analysis of fertilizers, dairy products, etc. Prerequisite: Course V. *Four or five hours, either semester.*

X. MEDICAL CHEMISTRY. A laboratory course, including urine analysis, toxicology and food analysis. Designed especially for students looking forward to medicine or pharmacy as a career. Open to students who have completed or are taking courses V and VII. *Three hours, either semester.*

XI. ASSAYING. This course comprises silver and gold extraction by scorification and crucible methods; fire assay of copper, lead and tin, extraction of gold from ores by the amalgamation, the chlorination, the cyanide and the electrolytic processes. *Two hours, either semester.*

MAJOR WORK: Sixteen semester-hours in addition to courses I-IV.

## DRAWING

PROFESSOR JUDSON.

Students who, after the Sophomore year, take courses in Drawing in the School of Art, may receive college credit for the same, not to exceed four semester-hours.

## ENGLISH

PROFESSOR VANCE.

I. ENGLISH COMPOSITION AND RHETORIC.—(a) A course in narration and description based on masterpieces of English prose. *Two hours, first semester.* (b) A course in the principles of exposition and argumentation, with study of English models. *Two hours, second semester.*

Required of all Freshmen.

II. HISTORY OF ENGLISH LITERATURE.—A general view of English Literature with copious reading and reports. *Two hours, throughout the year.*

Required of all Freshmen.

III. AMERICAN POETRY.—This course embraces a survey of American literary history, with special study of the works of the chief American poets. *Two hours, first semester.*

Required of all Sophomores.

IV. PROSE WRITERS OF NINETEENTH CENTURY.—Lamb, Macaulay, Carlyle, Emerson, Ruskin, Arnold, Lowell. Lectures, discussions and reports. *Two hours, second semester.*

Required of all Sophomores.

V. EIGHTEENTH CENTURY AUTHORS.—(a) Rapid reading through the most important literature of the period. Special study of Pope, Swift and Johnson. (b) The beginnings of the English romantic movement. *Three hours, throughout the year.*

Elective for Juniors and Seniors.

VI. NINETEENTH CENTURY POETS.—(a) With special reference to Wordsworth and Shelley. (b) With special reference to Tennyson and Browning. *Three hours, throughout the year.*

Elective for Juniors and Seniors. (Not given in 1903-04.)

VII. CHAUCER.—Selections from Canterbury Tales and minor poems. Supplementary work in Middle English Grammar. *Two hours, first semester.*

Elective for Sophomores and Juniors.

VIII. MILTON.—Paradise Lost, Paradise Regained, Samson Agonistes. *Two hours, second semester.*

Elective for Sophomores and Juniors.

IX. SHAKESPEARE.—Selected plays from the Comedies and Tragedies. Close critical study with interpretation of plot and characters. *Three hours, first semester.*

Elective for Juniors and Seniors. (Not given in 1903-04.)

X. HISTORY OF THE NOVEL.—Readings and reports. *Two hours, second semester.*

Elective for Juniors. (Not given in 1903-04.)

XI. ANGLO-SAXON.—(a) Grammar. Readings from prose and poetry. *Two hours, first semester.* (b) Beowulf. *Two hours, second semester.*

## FRENCH

PROFESSOR BORTHWICK.

I. FRASER AND SQUAIR'S FRENCH GRAMMAR.—The essentials of grammar; exercises in pronunciation, reading, translation and composition. Dumas's *La tulipe noire* will be read in the second semester. *Four hours, throughout the year.*

Course I is intended for students in the College who wish to begin the study of French. It covers the ground of preparatory subject II, but may not be taken to remove admission requirements in language.

II. (a) FRENCH DRAMA.—Racine, *Athalie*; Corneille, *Horace*; Victor Hugo, *Hernani*.

(b) DAUDET.—La Belle Nivernaise. For rapid and sight reading and reports.

(c) COMPOSITION AND GRAMMAR.—Exercises based on the text read, or in the form of abstracts; grammar review; practice in reading, translation at hearing and dictation. Open to those who have completed course I, or its equivalent, or who have credit for preparatory subject II. *Three hours, throughout the year.*

## GEOLOGY

I. GENERAL GEOLOGY.—Study of a text, with observations on rocks and fossils from museum specimens and field excursions. *Two hours, first semester.*

II. GENERAL GEOLOGY.—Continuation of Course I. *Two hours, second semester.*

III. MINERALOGY.—Laboratory work, with blow-pipe analysis and chemical tests for minerals. Lectures and readings. Elective. *Two hours, second semester.*

## GERMAN

PROFESSOR BORTHWICK.

I. JOYNES-MEISSNER'S GERMAN GRAMMAR.—Selected readings in German prose and poetry. Wesselhoeft's German Composition, Parts I and II. This course includes the essentials of German grammar, with numerous exercises in composition, translation at hearing, reading of literature in the form of easy stories and plays, with some practice in translation at sight and memorizing. *Four hours, throughout the year.*

Course I is intended for students in the College who wish to begin the study of German. It covers the ground of preparatory subject 10, but may not be taken to remove admission requirements in language.

II. (a) SCHILLER.—Maria Stuart.

GOETHE.—Hermann und Dorothea.

LESSING.—Minna von Barnhelm. Reference readings on the lives of the authors studied.

(b) GERMAN NOVELLETES.—Rapid reading, reading at sight and free reproduction.

(c) COMPOSITION.—Harris's German Composition, selections from Parts III and IV. Open to students who have complete course I, or its equivalent, or who have credit for entrance requirement 10. *Three hours, throughout the year.*

## GREEK

PROFESSOR TAMAR GRAY COLE.

A. (a) HOMER'S ILIAD I-III. (b) Prose *Composition*. (c) Sight translation. Review of the Grammar. *Four hours, throughout the year.*

Course A is intended for students who offer only two years of Greek for entrance.

Provision will also be made for students who enter without Greek, but who wish to begin the language in College. Such

students are required to do two years' work in preparation for courses I and II.

I. FOUR BOOKS OF THE ODYSSEY.—Seymour's Homeric Language and Verse. Studies in Homeric life and dialect. Sight reading. Reading of the entire Iliad and Odyssey in English translation. *Four hours, first semester.*

II. HERODOTUS AND THUCYDIDES.—Selections. Collateral reading on topics of Greek history suggested by the text. *Four hours, second semester.*

Courses I and II are required of all candidates for the degree of Bachelor of Arts.

III. PLATO.—Apology and Crito. Lectures on the life and writings of Plato. Elective for Sophomores. *Three hours, first semester.*

IV. (a) DEMOSTHENES.—De Corona. Studies in Greek Syntax.

(b) SOPHOCLES.—Antigone. History of the Greek Drama. Elective for Sophomores. *Three hours, second semester.*

V. (a) EURIPIDES.—Alcestis and Medea.

(b) SOPHOCLES.—Philoctetes.

(c) ARISTOPHANES.—The Clouds.

*Three hours, throughout the year.*

VI. PLATO.—Gorgias; Protagoras; Phædo (Selections). *Three hours, throughout the year.*

Courses V and VI, elective for Juniors and Seniors, are given in alternate years.

MAJOR WORK: Courses I-VI.

## HISTORY AND ECONOMICS

PROFESSOR HOOSE.

### POINT OF VIEW OF THE COURSES IN HISTORY.

History is an account of ideas and instructions in movement, rather than an account of personalities and events. Ideas are thoughtful experience embodied in definitions or in documents; they change in form and content as experience varies under different conditions. Personalities are the agents who exploit ideas. Events are reactions among ideas and personalities. Institutions are ideas formulated in practice to serve the purpose of human



living. Civilization is the sum total of ideas and institutions which exist at any given period of time upon any given portions of the earth—*i. e.*, civilization is the evolution of ideas and institutions.

I. MEDIAEVAL EUROPE.—From A. D. 375 to 1300. Text-books: Emerton's "Introduction to the Middle Ages;" Emerton's "Mediaeval Europe. Lectures. Required of all Juniors. *Three hours, throughout the year.*

II. MODERN CONTINENTAL EUROPE.—Selected periods, including the French Revolution, and the Organization of the German Empire. Text-books: Lowell's "Eve of the French Revolution;" Andrews, "The Historical Development of Modern Europe." Lectures. Elective. *Three hours, throughout the year.*

III. ENGLISH CONSTITUTIONAL HISTORY.—Text-books: Gardiner's "Student's History of England;" "Constitutional Essays," by Wakeman and Hassal; Boutmy's "English Constitution." Elective. *Three hours, throughout the year.*

IV. CONSTITUTIONAL AND INSTITUTIONAL HISTORY OF THE UNITED STATES.—Text-book: Bryce's "American Commonwealth." Required of all Seniors. *Three hours, throughout the year.* Lectures and readings accompany the recitations in each course.

MAJOR WORK: Courses I to IV, inclusive.

#### POINT OF VIEW OF THE COURSE IN ECONOMICS.

The science of economics inquires into the sources and nature of wealth, and the relations which it sustains to individual, social, civil and national well-being. This science investigates the principles and laws that are evolved by industrial, commercial, and social conditions. Economics discusses the inventions and forms which human energies have put forth to subordinate and utilize the forces of nature in order that they may serve the needs, comforts, and luxuries of society.

V. ECONOMICS.—Selected subjects. Text-books: Hadley's Economics; Hobson's Evolution of Modern Capitalism; Carroll's Principles and Practice of Finance. Seminary, lectures. Elective. *Three hours, throughout the year.*

VI. SOCIAL SCIENCE.—Selected subjects in practical social science. Text-books, lectures, investigations. Elective. *One hour, throughout the year.*



## LATIN

PROFESSOR J. H. COLE.

I. (a) CICERO.—De Senectute.

(b) LIVY.—Selections.

Careful reading with special study of forms and syntax. Practice in reading the text aloud, and in translation at sight. Essays by members of the class on topics suggested by the texts. Outside reading of parts of Cicero's *De Amicitia*. *Three hours, first semester.*

II. (a) CATULLUS.—Selections.

(b) HORACE.—Odes and Epodes.

Latin paraphrases by members of the class. Topical studies in Roman antiquities. *Three hours, second semester.*

III. LATIN COMPOSITION.—Writing of narrative and descriptive prose. *One hour, throughout the year.*

Courses I, II and III are required of all candidates for the degrees of Bachelor of Arts and Bachelor of Philosophy.

IV. TACITUS.—*Dialogus de Oratoribus* and *Agricola*. Studies in the style of Tacitus. *Three hours, first semester.*

V. (a) PLAUTUS.—Two plays.

(b) TERENCE.—One play.

Lectures on the origin of Latin poetry and the development of the drama. *Three hours, second semester.*

VI. (a) PLINY THE YOUNGER.—Selected letters. Lectures on the administration of the Empire.

(b) MARTIAL.—Selected epigrams. *Three hours, first semester.*

VII. SELECTIONS FROM THE POETS OF THE AUGUSTAN AND SILVER AGES.—History of Latin poetry. Lectures and required reading on the relation of literature to the Augustan age. *Three hours, second semester.*

VIII. ROMAN SATIRE FROM ENNIUS TO JUVENAL.—Lectures on the origin and development of satire, with reading of selections from the principal writers of satire. *Three hours, first semester.*

IX. (a) LUCRETII.—Three books.

(b) CICERO.—Selections from *De Natura Deorum*. Lectures on Roman philosophy. Theses by members of the class. *Three hours, second semester.*

Courses VI-VII and VIII-IX are offered in alternate years. VIII-IX will be given in 1903-04.

Major work: Courses I to IX.

## MATHEMATICS AND ASTRONOMY

PROFESSOR MINEAR.

I. ALGEBRA.—Surds and complex quantities, ratio, proportion, variation, the progressions and other simple series, inequalities, theory of quadratic equations, simultaneous quadratics and higher equations, the binomial theorem for any index, permutations and combinations, determinants, theory of equations.

In the lectures of this course the theory and development of Algebra from the very beginning is carefully treated. *Two hours, throughout the year.*

II. (a) SOLID AND SPHERICAL GEOMETRY.—The fundamental propositions of the Euclidean geometry of space. *Three hours, first semester.*

(b) TRIGONOMETRY.—Plane trigonometry and its applications, the trigonometry of the Right Spherical Triangle, and Logarithms. *Three hours, second semester.*

Courses I and II are required of all Freshmen.

III. PLANE ANALYTIC GEOMETRY.—The analytic geometry of the straight line, the circle, and the conic sections, including a discussion of the general equation of the second degree, and some special examples in higher loci. *Three hours, first semester.*

IV. DIFFERENTIAL CALCULUS.—Development of the fundamental principles and formulæ, applications to various problems in geometry and analysis. *Three hours, second semester.*

Courses III and IV are required of Sophomores in the Scientific course and are elective for others who have had I and II.

V. DIFFERENTIAL AND INTEGRAL CALCULUS.—Advanced course. Prerequisites: Course IV. *Three hours, throughout the year.*

VI. DIFFERENTIAL EQUATIONS.—Text-book, Forsyth's Differential Equations. *Three hours, throughout the year.*

VII. DIFFERENTIAL EQUATIONS.—Based on the lectures of Sophus Lie. *Two hours, throughout the year.*

VIII. CONTINUOUS GROUPS.—Based on the lectures of Sophus Lie. *Two hours, throughout the year.*

Courses VII and VIII are not given in the same year.

## ASTRONOMY.

IX. DESCRIPTIVE ASTRONOMY.—A general course, requiring only the mathematics of courses I-II. Elective for Juniors and Seniors. *Two hours, throughout the year.*

## ORATORY

Students who, after the Sophomore year, take courses in Elocution and Oratory in the Department of Oratory, may receive college credit for the same, not to exceed eight semester-hours.

## PHILOSOPHY

PROFESSOR HOOSE.

I. PSYCHOLOGY.—The aim in this subject is to acquaint the student with what is valuable in the investigations in Mental Science. Text-books, lectures, and original investigations. Required of all Juniors. *Three hours, throughout the year.*

II. LOGIC.—The elements in this subject are given in Jevon's Logic, with practical exercises. Elective. *Two hours, first semester.*

III. ETHICS.—A study of ethical principles from the ordinary philosophic standpoints. Required of all Seniors. *Two hours, first semester.*

IV. THEISM.—A study of the subject as given in Flint or Bowne. Required of all Seniors. *Two hours, second semester.*

V. HISTORY OF PHILOSOPHY.—Weber's History of Philosophy, covering the ancient Greek Philosophy. Elective. *Two hours, first semester.*

VI. HISTORY OF PHILOSOPHY.—Modern philosophy, with readings from the more important philosophers. Elective. *Two hours, second semester.*

VII. METAPHYSICS.—Lectures, readings and dissertations. Elective. Prerequisite, Course I. *Two hours, second semester.*

VIII. CHRISTIAN EVIDENCES.—A critical study of the foundations of Christianity. Fisher and Wright. Elective. *Two hours, first semester.*

## PHYSICS

PROFESSOR SHEPHERD.

In laboratory courses a fee of four dollars per semester will be charged.

I. GENERAL PHYSICS.—Mechanics, heat and sound. One lecture or recitation and six hours in the laboratory per week. Daniells' Text-book of the Principles of Physics, and Sabine's Laboratory Manual. Prerequisite: Mathematics IIb. *Three hours, first semester.*

II. GENERAL PHYSICS.—A continuation of Course I, including light, magnetism and electricity. *Three hours, second semester.*

III. ELECTRICITY AND MAGNETISM.—Lectures and recitations. Thompson's Elementary Lessons in Electricity and Magnetism, Thompson's Dynamo Electric Machinery. Prerequisite: Physics I and II, and Mathematics III and IV. *Three hours, first semester.*

IV. ELECTRICAL MEASUREMENTS.—A laboratory course, with a study of general methods of testing and using electrical machinery. *Three hours, second semester.*

## SPANISH

PROFESSOR WHITSON.

I. ELEMENTARY SPANISH.—Garner's Spanish Grammar. Readings, Matzke's and Knapp's; Valera's Pepita Jimenez. *Three hours, throughout the year.*

II. SPANISH READING, WRITING AND CONVERSATION.—Galdos' Doña Perfecta; Alarcon's El Capitan Veneno; Electra, by B. Pérez Galdos. *Three hours, throughout the year.*

III. HISTORY OF SPANISH LITERATURE.—D. Antonio Gil de Zarate. Illustrative reading. *Two hours, throughout the year.*

IV. ADVANCED PROSE COMPOSITION.—Ramsey and Lewis, Progressive Exercises in Spanish Prose Composition. *One hour, throughout the year.*

## GENERAL INFORMATION

The College of Liberal Arts of the University of Southern California is situated in Los Angeles, about three and one-half miles southwest from the city. The College buildings are accessible by three lines of street cars, the Main Street, L. A. Consolidated, and L. A. Traction lines. This is one of the most beautiful and rapidly growing residence portions of Los Angeles. The campus, comprising ten acres, has been improved by cement sidewalks and street grading on all sides, and a lawn in front of the main building. There are separate buildings for the College of Liberal Arts, the College of Music, and the Preparatory School. The College of Liberal Arts building is lighted by electricity. The University Methodist Episcopal Church, Rev. E. A. Healy, Pastor, is located near the campus, and is one of the most prosperous churches in the city. The

Baptists and Presbyterians also have churches in the near vicinity. These advantages, together with fine public school privileges, make the University section of the city a very desirable place of residence for families seeking educational opportunities.

### Religious Culture

The moral atmosphere surrounding the student is exceptionally good. The Young Men's Christian Association and the Young Women's Christian Association are active and effective in social and religious life.

The students maintain a regular prayer service in the College Chapel, and also a daily noon-day prayer meeting. These, with the regular chapel service, constitute a good Christian atmosphere in which to lay the foundation of character. Students are expected to attend some church each Sabbath, and are advised to join some Sunday class for the study of the Bible.

### Literary Societies

The Aristotelian Literary Society is the oldest of the societies connected with the College. It is a society for young men and has a large and well furnished hall in which to hold its meetings. It is in a flourishing condition and has many influential alumni.

The Athena society is for young women. It has a finely furnished hall, and is an enterprising association

### Library and Reading Room

The Library room is large and well lighted, carpeted, and furnished with shelving sufficient to hold about eight thousand volumes, with tables and chairs for the convenience of the readers. The Library is supplied with a well selected list of books. Many of the best periodicals are kept on the reading tables.

### The Museum

An extensive collection of specimens in mineralogy and geology has been accumulated during the past years, by donations and purchase. Professor John Dickinson, the first curator, opened the museum and classified it, making many donations from his own excellent private collection.

A few years ago the trustees purchased from Dr. Stephen Bowers a large collection of geological, mineralogical, and archæological subjects.

The Rev. C. R. Pattee, D. D., has donated about five hundred species of West Coast shells. The same gentleman has loaned to the museum, for the use of the college, a valuable geological, paleontological, mineralogical and conchological collection.

### **Athletics and Physical Culture**

The Faculty of the College of Liberal Arts, recognizing that physical culture is both hygienic and educative, desires to encourage every reasonable effort in the direction of physical development consistent with strong manhood and womanhood. On its hygienic side it should aid the body in all its functions, develop a symmetrical form, correct deformity as far as possible, and afford recreation. In its educative function it should afford the discipline necessary for self-control, both mental and moral.

Tennis courts, ball grounds, a training track, and an athletic room with baths and lockers for young men, are provided.

### **The Physical Laboratory**

The physical laboratory is arranged to accommodate forty students at one time. There is a good collection of apparatus of the best make for lecture demonstration. It includes a new stereopticon with special apparatus and slides for projection; equipment for electrical study, volt-meters, ammeters, resistance coils, galvanometers, reading telescopes, induction coils, Crook's tubes, etc.; spectrosopes, polarisopes, lenses, etc., for the study of light; thermometers, barometers, and registering apparatus for meteorology; air pumps, condensers, and receivers for gases; as well as apparatus for the composition and resolution of forces.

### **The Chemical Laboratories**

The laboratories for the department of Chemistry occupy four rooms in the basement of the main building. They are thoroughly equipped with tables, water, gas, apparatus and chemicals. Ample facilities are offered for work in qualitative and quantitative analysis in organic chemistry, and for research. The laboratories possess several fine analytical balances, sets of special apparatus



for determining molecular weights, for gas analysis after Hempel, and for nitrogen determination by combustion. Good facilities are also afforded for work on electro-chemistry, fertilizers, dairy products, soils, and the application of chemistry to the metallurgical processes. Prospective medical students will find facilities for analysis of air, food, water, poisons, etc. The assay laboratory contains muffle and combustion furnaces, balances, ore crushers, and special apparatus for studying the cyanide, chlorination, and electrolytic reduction processes.

### The Biological Laboratory

The biological laboratory is located on the second floor in a large and well lighted room facing north. In it are twenty heavy redwood tables, each with two large drawers, in which the student may keep his apparatus securely locked. Each table is provided with compound and dissecting microscopes, a set of dissecting instruments, reagent case and reagents, glassware, slides and coverlids, etc., while the general laboratory is supplied with microtomes, water baths, aquaria, sinks, hatching cases, glassware, and the necessary chemicals for advanced work in biological research. There are also several thousand microscopic slides, illustrating the different subjects in Biology.

The Bacteriological laboratory is fitted with microscopes, steam and dry air sterilizers, incubators, culture dishes, and the necessary glassware for thorough work. Cultures of all the principal organisms are constantly kept in the laboratory for study.

The Museum, containing a collection of invertebrates and vertebrates, both dry and in alcohol, fossils and shells, the herbarium and the Bowers and Pattee collections of minerals, adjoins the general laboratory and opens into it for convenient use.

### Scholarships

#### THE HUGH JOHNSTON SCHOLARSHIP.

This scholarship was founded by Mrs. Anna H. Johnston, of Pasadena, in memory of her deceased husband, and is for the benefit of needy students. Mrs. Johnston will name the incumbent when she desires. Otherwise this will be done by the authorities of the University.

THE SPENCE SCHOLARSHIP.

This scholarship was founded by the Hon. E. F. Spence in his life time, and is devoted to the use of needy students in the San Diego district, upon recommendation of the Presiding Elder of that district.

Others contemplate the establishment of prizes and scholarships, and it is earnestly hoped that soon a goodly number can be offered. Friends of the school can greatly add to its attractiveness in this way.

Prizes

THE LOTTIE LANE PRIZE.

This prize, established by Mrs. Charlotte A. Thompson as a memorial to a deceased daughter, is an elaborate gold medal, to be presented each year at commencement time to that member of the graduating class who shall have maintained the highest general average in scholarship throughout the whole college course. Students who have taken more than four academic years to complete the course, or those who have received credit for work done elsewhere than in this College, are not eligible for this prize. This medal was awarded in 1902 to Miss Frances Cora Fraleigh Thomson.

THE ORATORICAL PRIZE.

The Oratorical Association gives an annual prize of ten dollars for the best oration delivered in contest by an undergraduate. This prize was awarded in 1902 to Mr. W. R. Guiberson.

Degrees Conferred in 1902

BACHELORS OF ARTS.

Rae Mattison Hasson.  
J. G. H. Lampadius.  
Erwin Hale Miller.  
Frances Cora Fraleigh Thomson.

BACHELOR OF PHILOSOPHY.

Grace Miles Parker.

BACHELORS OF SCIENCE.

Russell Hurlburt Crowell.  
Ethel Winona Graves.

MASTERS OF ARTS.

Edwin Henry Fretz.  
Benjamin Dudley Snudden.



### Gifts to the University

THE HOUGH FUND. This is a fund of \$65,000 given by Rev. Asahel M. Hough, deceased, and his wife, Anna G. Hough, of Los Angeles. It is to be held by the University in perpetuity, and the income is to be used for current expenses of the College of Liberal Arts, or as the Board of Trustees may annually direct.

THE HAZZARD PROFESSORSHIP. Rev. A. C. Hazzard has given to the University property valued at \$30,000 for the endowment of a professorship in English Bible.

THE MERRYMAN PROFESSORSHIP. Mr. T. D. Merryman has given to the University property valued at \$25,000 for the endowment of a professorship in Mathematics.

# THE COLLEGE OF MEDICINE

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## CALENDAR 1903-1904

October 6-7—Entrance Examinations are conducted.

October 8, Thursday—Regular term begins at 9 a. m. at the College Building.

December 24, Tuesday evening—Christmas vacation begins.

January 4, Monday—Lectures resumed.

May 18, Wednesday—Examinations for the degree of Medicine begin, and continue until June 1.

June 2—Undergraduate Examinations begin.

June 16, Thursday, 8 p. m.—Commencement Exercises.

On all legal holidays of the State of California the schedule is suspended.

## GENERAL STATEMENT

The College of Medicine of the University of Southern California is now entering upon its nineteenth year of work. Aiming to do only thorough work, it adopted from the first a three years' graded course of instruction. In 1896 this was increased to four years.

There is no bar of race, color, religion, or sex to the admission of students. The College is open to all.

## LOCATION.

The Faculty of this College believe that they are justified in calling the attention of Eastern students who are not robust to the peculiarly healthful and delightful climate of Los Angeles.

Many students on the Atlantic seaboard and in the Mississippi Valley find the rigorous winters interfering materially with their ability to study. They also take the risk of having chronic pul-

monary troubles fastened upon them. To such we say that the Los Angeles winter is really an ideal summer; and instead of the snow, sleet and ice many of us experienced in New York, Philadelphia and Chicago, we have here in Los Angeles, throughout the winter, sunshine, flowers and oranges. We believe living in Los Angeles is cheaper than in any other American city, and the only special extra outlay the student would incur would be the car-fare. Round-trip excursion tickets can be purchased that are good for nine months.

Los Angeles is a progressive town, with a population of more than one hundred thousand. It is the greatest railroad center on the Pacific Coast, and has within a few miles, three seaports—San Pedro, Redondo and Santa Monica. Besides the Medical College, Los Angeles has all the educational and social advantages belonging to a place of its size. There is an excellent public library, and numerous churches, colleges and private schools.

### THE COLLEGE BUILDING.

The College Building is located on the west side of Buena Vista street, between Ord and Alpine streets. It is on the Daly Street division, and only a short distance from the Downey Avenue division of the Los Angeles Electric Railway, and near the Pasadena and Santa Monica electric lines, making it accessible from all parts of the city and outlying towns. It is a three-story and basement building with a two-story wing, in which is an amphitheater with seating capacity for 300. This building was erected in 1895, and is well lighted, heated and ventilated.

The lower floor is devoted largely to the College Dispensary, and has numerous rooms arranged for medical, surgical, gynecological, eye, ear, nose and throat clinics. The chemical and toxicological laboratories, with lecture and study rooms, occupy the second floor, while the anatomical laboratory and lecture rooms are in the third story. In the basement, a refrigerating room has recently been installed, affording ample room for anatomical material. There is also a room equipped with bicycle stands for the use of the students.

### THE HENDRYX LABORATORY.

The Hendryx Laboratory was built by Dr. W. A. Hendryx as a memorial to his wife, Lucy Sheppard Hendryx, and was

presented to the College January 6th, 1899. It is a two-story building, standing about fifty feet north of the College building and farther from the street, thus avoiding the dust and noise of the street. It was planned by Prof. Black, and is unexcelled anywhere in its lighting and convenience. It is well equipped for undergraduate work and original investigation in histology, pathology, bacteriology and physiology, and has in connection with it an excellent house for the care of the animals used in experimental work.

## STATEMENT OF INSTRUCTION

During the first two years of the course most of the instruction is given by recitation and in the laboratories. In the third year, recitations and laboratory work are continued, with didactic lectures, but most of the work requiring attendance in the laboratory and recitation room is finished at the close of this year, while the senior year is devoted largely to clinical work and experimental work in the laboratory. The senior and junior classes are divided into two sections; these sections, in rotation, act as assistants to the various clinics, so that during the term each member of each section has been able to act as assistant in the Gynecological, Surgical, Rectal, Eye, Ear, Nose and Throat, Children, Skin and Genito-Urinary, Medical and Neurological clinics.

## ANATOMY.

• PROF. WILLS

PROF. MURPHY

DR. KIRKPATRICK

The work in this department consists of six recitations of one hour each per week for the first year, and four recitations per week for the second year. The recitations and quizzes are supplemented by the demonstration of each topic on the cadaver before the class. In addition to this, the dissection of six parts (that is, both lateral halves of the body), is required of each student. These dissections are conducted under the direction of the assistant demonstrators of anatomy. The supply of material is always abundant. Each student, while dissecting, is expected to be in the Anatomical Laboratory, between 3 and 6 p. m. on five days of the week. The demonstrator and his assistants will be present to assist him at that time.

Regional Anatomy is taught by Professor Wills in a course of

lectures extending through the first half of the third year, and is illustrated by actual dissections on the cadaver, charts and manikins.

## PHYSIOLOGY.

PROF WITHERBEE

DR. COLLIVER

Physiology is taught by the combined lecture, demonstrative and laboratory method. During the first year the following subjects are treated: Blood, circulation, respiration, secretion, digestion, excretion and metabolism. Introductory lectures are taken up from a biological and comparative point of view, illustrated with diagrams, drawings, stereopticon slides and collaborated with biological and histological laboratory work. Once established in the fundamental principles of physiology an endeavor is made to especially emphasize those points which have a practical bearing upon the practice of medicine. The course is further supplemented by daily quizzes, weekly twenty-minute written exercises upon subject assigned at the time, and written examinations upon the completion of each subdivision of this course.

In the second year Prof. Witherbee lectures three hours per week upon the subjects of muscular and nervous phenomena, as well as upon the special senses and the phenomena of reproduction.

Laboratory course in Physiology is under the direction of Dr. Colliver and assistants. Each student is required to perform, under the supervision of an instructor, all of the experiments outlined in the syllabus. These experiments are intended to include only the most important fundamental physiological facts considered in the lectures. When individual work is impossible the class is subdivided into small sections of twos and fours. Each experiment must be written up and handed in together with graphic tracings, diagrams, bibliography, etc. A practical examination is conducted in this course at the end of the term.

Laboratory work in Physiological Chemistry is taken up during last half of second semester, special attention being paid to digestion and excretion.

The new Physiological Laboratory apartments are located on the third floor of the main college building. They consist of a large, well-lighted class room, furnished with a number of

tables and modern laboratory improvements; an amphitheater for demonstrating most important physiological principles; a room for apparatus and assistants' preparation or investigation laboratory. This department is also fortunate in having an excellent laboratory equipment.

The large sum of money so generously donated to the department by Mrs. Jane Mansil of Hartford, Conn., has been expended in the purchase of the most modern physiological apparatus, etc. This, together with the supply previously possessed, and that subsequently donated by Dr. Milbank Johnson, formerly professor of physiology, makes the physiological equipment equal to that of any medical college in the West.

### SURGERY.

PROF. LASHER      PROF. JOS. KURTZ      PROF. WILLS      PROF. MURPHY

Prof. Lasher delivers two lectures and conducts one recitation a week to the third and fourth year students. Prof. Joseph Kurtz delivers one lecture a week on Operative and Orthopedic Surgery to the third and fourth year students. Dr. Wills delivers two lectures and demonstrations in minor surgery and bandaging during the first quarter of the second year. Prof. Murphy delivers two lectures a week during the third year on Surgical Pathology. This work is supplemented by six clinics at the College Dispensary and three clinics at the County Hospital per week.

### MEDICINE.

PROF. UTLEY      PROF. WING      PROF. COLE      PROF. BARBER      PROF. BARLOW  
DR. HAGADORN      DR. HUTCHINSON      DR. M'BRIDE

Prof. Utley conducts two lectures and recitations per week for the fourth year students. Dr. Hagadorn three recitations per week for the third year students. Prof. Barlow gives two clinical lectures a week on Physical Diagnosis, with practical demonstrations on subjects, during the second semester for the sophomore year. For the junior year, he will give practical demonstrations one hour a week at the bedside in the hospital, to the class in sections. This is supplemented by six medical clinics per week at the College Dispensary for third and fourth year students. Also, by two clinics per week by Prof. Wing, one by Prof. Cole,



and one by Prof. Barlow, at the County Hospital. The clinics at the County Hospital are mostly given in the ward at the bedside of the patient.

## MATERIA MEDICA AND THERAPEUTICS.

PROF. COLE      PROF. KING      DR. QUINT

Prof. Cole gives two lectures per week to the third year students on Therapeutics. Prof. King devotes two hours a week to lectures and recitations on Materia Medica to the second year students, and Dr. Quint two hours a week of lectures and recitations to the first year students. Much of the time in the second year is devoted to the physiological action of drugs. In addition to this, each student serves daily for four weeks compounding and dispensing prescriptions, under the supervision of a competent pharmacist, in the College Dispensary.

## CHEMISTRY.

PROF. STABLER.

First Year.—The course extends through the year, and consists of one lecture, demonstration or recitation, and two laboratory exercises of two hours each per week. The first two-thirds of the year is devoted to general and inorganic chemistry. A careful study is made of the laws governing chemical action and the properties of the common elements and their compounds. In the laboratory, practical instruction is given in qualitative and volumetric analysis. Organic Chemistry is studied the last part of the year. Special attention is given to the preparation and properties of typical compounds, attention being directed to changes which come under the heading of general reactions.

Second Year.—The work of this year is devoted to Organic and Physiological Chemistry. The course extends through the year, and consists of lectures and laboratory work two days of two hours each per week. The subjects studied are: Carbohydrates, the proteids, the chemistry of digestion, bile, blood, milk, lymph, stomach contents, and urine. Special attention is given to the study of the urine. Each student examines a large number of specimens chemically and microscopically, so as to become familiar with this secretion in normal and pathological condition. It is the purpose to provide the graduates with a knowledge which will best meet the demands of general practice.



## TOXICOLOGY.

PROF. BULLARD.

Toxicology and Clinical Chemistry are taught by Prof. Bullard. The course includes lectures and practical laboratory work in Toxicology, urine analysis and chemical examination of the blood and contents of the stomach. This course will comprise one hour in the lecture room and two hours in the laboratory throughout the third year.

## HYGIENE AND STATE MEDICINE.

PROF. ORME

The prevention of disease and the preservation of health are now recognized as an important branch of medical education. This department is under the charge of a gentleman specially qualified by long study and experience.

## OBSTETRICS.

PROF. MOORE      DR. FERBERT      DR. LAZARD

Two hours a week of lectures and recitations are given the third year students, and one hour a week to manipulations on the manikin and cadaver before the fourth year students. This course is supplemented by arrangements whereby each member of the senior class is enabled to take charge of cases under the direction of some member of the Faculty to act as assistant to the physician having in charge the obstetrical ward of the County Hospital, and also the obstetrical cases in one of the rescue homes, so that each student in the senior class personally attends several cases before graduating.

## OPHTHALMOLOGY.

PROF. ELLIS      DR. KIEFER      DR. BULLARD

Ophthalmology is taught by Prof. Ellis by means of lectures, recitations and clinical instruction. Each student of the senior class is taught the use of the ophthalmoscope and must be able to draw the fundus of a given eye before he may pass in this branch. Prof Ellis will conduct two clinics a week at the College Dispensary, and a surgical clinic at the County Hospital, where the senior students will act as assistants and in turn keep record of the cases. The large amount of clinical matter in attendance at this clinic enables the Professor to give a thorough and practical course.

One hour per week of recitations is given the third year students for one-half year.

### EAR, NOSE AND THROAT.

PROF. BABCOCK

The third year students have one recitation a week for one-half year and the fourth year students are given two clinics per week at the College. Prof. Babcock also permits members of the fourth year class to assist him at numerous private operations.

### DISEASES OF CHILDREN.

PROF. FOLLANSBEE

Prof. Follansbee gives one recitation or lecture per week throughout the third year. This is supplemented by two clinics per week at the College Dispensary.

### GYNECOLOGY.

PROF. LINDLEY

PROF. CARL KURTZ

Prof. Lindley delivers one lecture per week throughout the year to the third class. This is further supplemented by two clinics per week at the College, conducted by Prof. Carl Kurtz, and one clinic each week at the County Hospital, conducted by Prof. Lindley. The senior students have also the opportunity of attending a large number of operations at the various private hospitals in the city with which different members of the Faculty are connected.

### DISEASES OF THE SKIN AND GENITO-URINARY ORGANS.

PROF. MAC GOWAN

PROF. WILLIAMS

In this College the branches of Genito-Urinary Surgery, Syphilis, and Diseases of the Skin are taught by the same Chair, and these clinics are united. No regular method of didactic lectures is followed, but the teaching is eminently practical, and consists of careful instruction in diagnosis and treatment upon living examples of the diseases used as a theme for the day's clinical demonstration. Clinics are held on Tuesdays and Saturdays at the College Dispensary, from 1 to 3 p. m., and at the County Hospital on Wednesday and Saturday mornings. During the year there is plenty of material for showing to the students all of the operations in Genito-Urinary Surgery. The class

is instructed in the use of the cystoscope and the endoscope; these instruments being used whenever an indication therefor exists.

### NEUROLOGY.

PROF. BRAINERD

PROF. MURPHY

PROF. M'BRIDE

Prof. Murphy gives one hour per week the first half of the year to the fourth year students on the Minute Anatomy of the Nervous System. This is illustrated by demonstrations, charts and microscopic specimens.. Prof. Brainard gives one lecture per week throughout the year to the fourth year students, and conducts a clinic once a week at the County Hospital, and once a week at the College. The lectures for the first half of the year are upon insanity. The present method of caring for the insane at the County Hospital, prior to their examination for commitment to the State Hospital for the Insane, enables the students to see during the year at the hospital clinics in nearly every form of insanity. Prof. McBride gives one lecture each week on Nervous Diseases at the County Hospital.

### MEDICAL JURISPRUDENCE.

PROF. CONREY

Prof. Conrey lectures one hour per week during the last half of the senior year, giving fully the legal aspect of medical expert testimony, and the rights and duties of physicians in their relations to patients.

### HISTOLOGY.

PROF. BLACK

DR. E. L. LEONARD

Six hours laboratory work and one hour recitation are devoted to this subject during the entire eight months. During laboratory work, recitations and general demonstration, by means of the most recent Leitz projection microscope are given. After a preliminary course on the general use of the microscope the student studies those fibers, etc., which, as foreign substances, so frequently confuse the beginner, as silk, cotton, wool and moth scales, etc. Then the individual cells are studied in teased specimens until all the types of cells are understood. Then sections of all the normal organs are given the student. Drawings and written descriptions of these sections are required. Each student

is also assigned various organs which he must remove from the animal and fix, harden, embed, and section.

The laboratory is fully equipped with Bausch and Lomb, Leitz microscopes, dissecting microscopes and freezing, Thomas and Schanze model microtomes.

### PATHOLOGY.

PROF. BARBER

PROF. BLACK

DR. E. L. LEONARD

The laboratory work occupies four hours per week during the Sophomore and two hours per week during the Junior year.

During the Sophomore year the students are given sections illustrating the process of acute and chronic inflammation, the infectious granulomata and the degenerations and benign and malignant tumors.

Drawings and full written descriptions of these sections are required.

In the Junior year the sections of uterine scrapings and those illustrating repairs of wounds are given out and a large number of unknown sections are given for the purpose of requiring the student to make his own diagnosis.

Each section must be fully described and a drawing made.

### BACTERIOLOGY.

PROF. BLACK

DR. E. L. LEONARD

This subject is taught by practical laboratory work, embracing two hours a day for three days a week during two months.

First the principal non-pathogenic organisms and finally the principal pathogenic bacteria are studied by cultural, staining and clinical methods. The laboratory is fully equipped with microscopes, incubators, sterilizers (hot air, team, auto-clave), etc.

In the Hendryx Laboratory is situated the Hendryx Medical Library, the nucleus of which was donated by Dr. W. A. Hendryx. There are at present about two thousand bound volumes on the shelves, consisting mainly of complete files of the leading medical journals of America.

### CLINICAL FACILITIES

On four mornings of the week, the County Hospital is open to students for clinical instruction. As there are nearly two hundred

beds in this institution and nearly twelve hundred patients are admitted annually, it affords excellent opportunities for instruction. In addition to the cases in the general hospital, the new law of the State is such that all insane patients are kept under observation at the County Hospital for twenty-four hours or more prior to their examination for commitment to the State Hospital for the Insane. There are also a number of well conducted private hospitals throughout the city, with all of which various members of the faculty are officially connected; and, though not open to instruction of the students as a whole, they afford facilities to all the senior students at various times to witness a great variety of surgical operations and many interesting medical cases.

A well organized dispensary at the College Building, with 10,000 patients a year, furnishes abundant material for daily clinics, in which the advanced students are required to do a large amount of the work in the examining and prescribing for patients, under the direction of the medical instructors. Arrangements have also been made with the Associated Charities whereby such cases coming within their jurisdiction as need medical attendance are placed in the care of the senior students, under the supervision of the clinical staff of the Dispensary.

## COURSE OF STUDY

### *First Year.*

**MATERIA MEDICA.**—Two hours of lectures and recitations per week. Practical work in Dispensary, twelve hours for four weeks.

**ANATOMY.**—Six hours recitations with demonstration on cadaver each week. Dissections of at least one lateral half of body.

**PHYSIOLOGY.**—Three hours of recitations and two hours of laboratory work per week.

**CHEMISTRY.**—One hour recitation and four hours of laboratory work per week.

**HISTOLOGY.**—One hour recitation and six hours of laboratory work per week.

**FINAL EXAMINATIONS** at end of year on Histology, Embryology, Osteology, Syndesmology, Myology, and in Physiology on the Blood, Circulation, Digestion, Secretion and Excretion, Animal Heat.

*Second Year.*

MATERIA MEDICA.—Two hours lectures and recitations per week.

ANATOMY.—Four hours recitations and demonstration on cadaver per week. Dissections, one lateral half of body.

SURGICAL ANATOMY.—Two hours lectures and recitations per week, first half year.

PHYSIOLOGY.—Two hours recitations and two hours laboratory per week.

CHEMISTRY.—One hour lecture or recitation and four hours laboratory per week.

PATHOLOGY.—Two hours recitation and lectures per week, and eight hours laboratory work per week.

PHYSICAL DIAGNOSIS.—Two hours recitations per week for half year, and two hours practical work in College clinic the last half year.

HYGIENE.—One hour lecture per week for half year.

CLINICAL MEDICINE.—Two hours recitation per week throughout year.

FINAL EXAMINATIONS at end of year in Materia Medica, Anatomy (descriptive), Physiology, Chemistry, Pathology, Hygiene, Physical Diagnosis.

*Third Year.*

SURGERY.—Three hours lectures, one hour recitation, and two hours clinics at County Hospital per week.

Six hours clinics at College Dispensary per week.

MEDICINE.—Three recitations per week.

Six hours clinics at College Dispensary.

OBSTETRICS.—Two recitations per week.

THERAPEUTICS.—Two hours lectures and recitations per week.

PAEDIATRICS.—One hour lecture and recitation per week.

GYNECOLOGY.—One hour recitation per week.

TOXICOLOGY, URINALYSIS AND CLINICAL CHEMISTRY.—One hour lecture and two hours laboratory per week.

DERMATOLOGY AND VENEREAL.—One hour clinic per week.

BACTERIOLOGY.—Twelve hours laboratory per week, for six weeks.

SURGICAL ANATOMY.—Two hours lectures and recitations per week for one-half year.



GROSS PATHOLOGY.—One hour per week, for one-half year.

PHYSICAL DIAGNOSIS AND PRACTICE.—One hour per week.

OPHTHALMOLOGY.—One hour recitation per week, for one-half year.

OTOLOGY, LARYNGOLOGY, ETC.—One hour recitations per week, for one-half year.

SURGICAL PATHOLOGY.—Two hours per week.

FINAL EXAMINATIONS at end of third year in Therapeutics, Pædiatrics, Toxicology, etc., Bacteriology, Surgical Anatomy, Gross Pathology and Obstetrics.

*Fourth Year.*

SURGERY.—Two hours lectures, one hour recitation.

Two hours clinics at County Hospital.

Orthopedics, one hour lecture per week.

MEDICINE.—Two hours lectures and one hour recitations.

Three hours clinics and bed-side instructions at County Hospital.

OBSTETRICS.—One hour demonstrations on manikin and on cadaver per week.

GYNECOLOGY.—One hour clinic at County Hospital.

Two hours clinics at College Dispensary per week.

NEUROLOGY.—One hour lecture, one hour clinic and bed-side instruction at County Hospital.

One hour clinic at College Dispensary per week.

One hour lecture and recitations on minute Anatomy per week, for twelve weeks.

DERMATOLOGY, VENEREAL AND GENITO-URINARY.—One hour clinic at County Hospital, and one hour clinic at College Dispensary per week.

OPHTHALMOLOGY.—Two hours clinic per week at College Dispensary.

OTOLOGY, LARYNGOLOGY, ETC.—Two hours clinic at College Dispensary, per week.

FINAL EXAMINATIONS at the end of the year in Surgery, Medicine, Gynecology, Neurology, Dermatology, Genito-Urinary, Ophthalmology, Otology, Laryngology.



## REQUIREMENTS FOR ADMISSION

All students must register each year with the Secretary.

To the First Year Class:

Students will be required to pass an examination, unless graduates of some University, College, High School, Academy or Normal School, or present certificates as having done work in such institutions as covers the grounds hereinafter mentioned. The examination will consist, first, of English, in which a composition of not less than 200 words must be written by the student at the time of the examination; this will be marked on construction, punctuation, orthography, and chirography. Second, in Arithmetic, such ground as is covered by the Common School Arithmetic. In Algebra, through quadruple equations. In Physics, on principles of mechanics, hydrostatics, hydraulics, optics and acoustics. In Latin, one year's work is required in Preparatory Schools. A medical student's certificate issued by any State Examining Board covering the work of the foregoing entrance examination will be accepted, and any student having the A. B., B. S., or equivalent degree from a reputable literary college. Graduates and students of Homeopathic or Eclectic Medicine, as many years as they attended those colleges, provided they have met the previous requirements, and that they pass an examination in materia medica and therapeutics, may be admitted, subject, however, to the further approval of the Executive Committee. Applicants who fail in one or more of these branches will be required to make up the deficiency before beginning the second year's work in this College.

To the Second Year Class:

Any student who has attended one or more courses in an accredited Medical College, and any student having the A. B., B. S. or equivalent degree from a reputable Literary College, graduates and students of Homeopathic, or Eclectic Medicine, as many years as they attended those colleges, provided they have met the previous requirements and that they pass an examination in materia medica and therapeutics, may be permitted to enter the second year; subject, however, to the further approval of the Dean and Faculty of this School.

To the Third Year Class:

Any student who has attended two terms in this or any other

accredited Medical College, whose course of study is equally advanced, may, on presentation of proper credentials, enter the third year class.

To the Fourth Year Class:

Same as above, only adding one year's attendance.

## REQUIREMENTS FOR GRADUATION

*First*—The candidate for the degree of *Medicinae Doctor* must have attained the age of twenty-one years, and be of good moral character.

*Second*—He must have studied medicine for four full years, must have attended four courses of medical lectures (no two of them occurring in the same calendar year), the last of which must have been in this College.

*Third*—He must have passed the required examinations on lectures, recitations, laboratory and clinical work, must have dissected the entire cadaver, and have fulfilled the required periods.

*Fourth*—He must have paid all the College fees.

*Fifth*—The foregoing are essential. *But in addition to these is the final test vote of the Faculty as to the general fitness of the candidate for the degree; the Faculty reserving the right to reject in any or all cases upon this ground, apart from and in addition to all other tests and requirements.*

*The Faculty will maintain the right to suspend or expel a student at any time for conduct unbecoming a gentleman.*

## SCHEDULE OF CLINICS

FREE DISPENSARY, 737 BUENA VISTA STREET.

### MONDAY—

Surgery .....	Dr. Lasher
Medicine .....	Dr. Hutchinson
Gynecology .....	Dr. Carl Kurtz

### TUESDAY—

Surgery and Genito-Urinary.....	Dr. MacGowan
Medicine .....	Dr. Barber
Eye .....	Dr. Ellis
Diseases of Children.....	Dr. Kate Wilde

## WEDNESDAY—

Surgery .....	Dr. Wills
Ear, Nose and Throat.....	Dr. Babcock
Medicine .....	Dr. Hutchinson

## THURSDAY—

Medicine .....	Dr. W. J. Barlow
Gynecology.....	Dr. Carl Kurtz
Surgery .....	Dr. Kurtz
Nervous Diseases.....	Dr. Brainerd

## FRIDAY—

Surgery .....	Dr. Witherbee
Medicine .....	Dr. Visscher
Eye .....	Dr. Ellis
Diseases of Children.....	Dr. Kate Wilde

## SATURDAY—

Surgery .....	Dr. Coffey
Skin and Genito-Urinary.....	Dr. MacGowan
Medicine .....	Dr. Hutchinson
Ear, Nose and Throat.....	Dr. Babcock

## FEES

## First Year—

Matriculation .....	\$ 5.00
Demonstration Fee .....	10.00
Lectures .....	130.00

Second Year Lectures..... 130.00

Third Year Lectures..... 130.00

Fourth Year Diploma Fee..... 40.00

Total tuition for the four years.....\$445.00

The Diploma Fee must be paid by January 1st, but will be returned if the candidate fails.

All fees must be paid at the beginning of the term.

Students admitted to any advanced course in consideration of work done elsewhere, must pay Matriculation, Demonstration and Lecture Fees.

Room and board may be procured for four dollars a week and upwards.

Address all communications as to matriculation and qualifications to J. H. McBride, M. D., Dean, Potomac Block.

Any further information may be had by application in person, or by writing to

FRED C. MCKINNIE,  
Clerk of the Faculty,  
737 Buena Vista Street,  
Los Angeles, Cal.

Or to

W. D. BABCOCK, A. M., M. D., Secretary.  
101-102 Stimson Block, Los Angeles, Cal.



# THE COLLEGE OF MUSIC

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## GENERAL STATEMENT

The College of Music offers extensive courses in nearly all departments of musical instruction, and is designed to fit students for the profession as composers, theorists, artists, and teachers. It also provides for the study of music as a part of general culture or as an accomplishment.

It occupies a large building on the University campus, on the first floor of which are the Dean's office, the reading-room and library, and the piano, vocal and harmony class rooms. On the second floor are practice rooms, equipped with practice pianos, pedal piano, organ, techniphone and technicon. The fortnightly pupils' recitals are held in the College assembly room, which contains a \$2000 pipe organ, blown by an electric motor.

The courses of study are very thorough and complete, and the faculty includes some of the ablest and most widely known teachers in the Southwest.

## Educational Plan

The educational system of the School is divided into three general departments; the Preparatory, the Normal and the Collegiate.

The Preparatory department is open to all persons above seven years of age, with or without any previous knowledge of music. It is intended to prepare for the Normal, and also to meet the wants of those who have not the time or the inclination to enter upon an extended course, but who desire the best possible instruction during the time they may devote to this study.

The Normal department is designed for students preparing for the profession as teachers, and for amateurs desirous of obtaining a thorough training in the art and science of music.

The Collegiate department is open to those who have taken

the Normal course or its equivalent, and is designed to take up the more advanced work of the artist and virtuoso.

A feature of the greatest value to the students is the fortnightly pupils' recitals, at which the pupils are expected to play or sing before the whole school, as their teachers may direct. In this way nervousness in public appearance, the bane of so many performers, is soon overcome. Pupils thus have the opportunity to hear and become familiar with the music of the other departments of the School. In connection with these recitals there are brief talks by members of the Faculty and others, on musical and allied topics. Public recitals are also given by the Faculty and advanced pupils. Music students are given free admission to all public exercises of the School and to the classes in sight singing.

### The Pipe Organ

Special attention is given to the study of the organ. Besides the chapel organ, the large organ in the University (Simpson) Auditorium is now a part of the equipment of the organ department and available for practice only to our students. Both these organs are blown by electric motor and the charge for rental is no more than blower's fees would be in an organ blown by hand.

### Diplomas

The diplomas of the University are given at the completion of the Normal and Collegiate courses.

The requirements for graduation in any department are the completion of the prescribed course in that department, at least one year's work in which must be done in this School; the completion of the Normal course of three terms in harmony; and the public performance during the senior year of an entire program, under the direction of the department teacher.

### Business Regulations

Students entering after the opening of the term will register for the remaining portion, and will be charged pro rata. The work of the term begins on the date advertised, and students who enter late will find themselves behind their classes.

No allowance will be made for absence from classes, such as harmony, for less than a half term.



No deduction will be made for temporary absences from lessons. Lessons missed will be made up to pupils if notice of the intended absence is given at the previous lesson.

A discount of fifteen per cent. is allowed to the children of Methodist ministers.

### Tuition Fees

A Term or Semester consists of nineteen weeks. Fees are payable to the Dean only, monthly in advance.

Voice, two lessons per week (of 30 minutes each)....\$47.50

Voice, one lesson per week (of 30 minutes each).... 28.50

Piano, Mr. Skeele, two lessons per week (45 minutes) 57.00

Piano, Mr. Skeele, one lesson per week (45 minutes) 33.25

Piano, Mrs. Baird, two lessons per week (45 minutes) 38.00

Piano, Mrs. Baird, one lesson per week (45 minutes).. 23.75

Pipe Organ, two lessons per week (45 minutes)..... 76.00

Pipe Organ, one lesson per week (45 minutes)..... 38.00

Violin, two lessons per week (30 minutes)..... 57.00

Violin, one lesson per week (30 minutes)..... 28.50

Harmony and Theory, private lessons, one per week....28.50

Harmony and Theory, class lessons, two per week.. 12.50

Rental of Pipe Organ, one hour each day, including

blowing, per term ..... 17.50

Rental of Pipe Organ, two hours each day, per term.. 28.50

Rental of Piano, one hour each day, per term ..... 4.00

For further information address

W. F. SKEELE,

841 W. 37th St., Los Angeles.



# THE COLLEGE OF DENTISTRY

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## INFORMATION

The seventh annual session of the College of Dentistry will begin on Tuesday evening, October 6th, 1903, in the upper Lecture room, corner of Spring and Temple streets.

This College offers many attractions beside those of climate. Its course of instruction is complete, its facilities excellent. There is an abundance of clinical material for operative dentistry and the demonstration of oral surgery, in the well equipped Infirmary.

The Laboratories for Prosthetic and Technic work are particularly convenient and well furnished. There is a growing and well arranged Library and Museum, where object lessons in Anatomy, general, dental and comparative, are continually presented to the student.

Moreover, this College affords all the advantages incident to a school of moderate numbers. Each student is known by his teachers with the distinct benefit of personal acquaintance and instruction.

The standards of the school are held high. Only those students who give promise of being an honor to its Alumni are sought after. Fully one-fourth of those who applied during the last two years have been refused admission for lack of qualification.

It will be noted that eight of the Professors and Instructors bear the degree of M. D. The schedule of studies is well nigh equivalent to that of a Medical College. Courses in Anatomy, Histology, Bacteriology and Chemistry are taken by our dental students at the College of Medicine of the University, which is located near. They have here the full use of one of the most complete histological laboratories in the United States, known as the Hendryx Biological Laboratory.

## THE SCHOOL IS CO-EDUCATIONAL.

Several of our students are young women of excellent education and ability. Their presence is a blessing to the school, and others will be gladly welcomed.

## CURRICULUM

This College is a member of the National Association of Dental Faculties, and will conform to all the rules and regulations thereof. The graded course beginning with matriculants of 1903 is made to cover four years of seven months each.

## Schedule of Studies

## FIRST YEAR.

CHEMISTRY.	<i>a</i> —General Inorganic. <i>b</i> —Qualitative. <i>c</i> —Metallurgy.
ANATOMY.	<i>a</i> —Osteology. <i>b</i> —General Description. <i>c</i> —Dissection.
TECHNICS.	<i>a</i> —Prosthetic Technics. <i>b</i> —Modeling, Carving and Drawing.

## SECOND YEAR.

CHEMISTRY.	Organic Compounds.
ANATOMY.	<i>a</i> —Embryology. <i>b</i> —Histology, lectures and laboratory. <i>c</i> —Comparative Dental.
PHYSIOLOGY.	<i>a</i> —Lectures and optional laboratory course in General Physiology. <i>b</i> —Physiological Chemistry (optional); lectures and laboratory.
BACTERIOLOGY.	<i>a</i> —Lectures. <i>b</i> —Laboratory.
TECHNICS.	<i>a</i> —Crown and Bridge Work. <i>b</i> —Operative Technics.

## THIRD YEAR.

OPERATIVE DENTISTRY.	{	<i>a</i> —Lectures. <i>b</i> —Clinic.
PROSTHETIC DENTISTRY.	{	<i>a</i> —Lectures. <i>b</i> —Clinic.
DENTAL MEDICINE.	{	<i>a</i> —Materia Medica. <i>b</i> —Pathology. <i>c</i> —Therapeutics.
ORTHODONTIA.		<i>a</i> —Lectures. <i>b</i> —Clinic.

## FOURTH YEAR.

OPERATIVE DENTISTRY.	{	<i>a</i> —Advanced work in Laboratory and Clinical Research. <i>b</i> —Therapeutic Researches.
PROSTHETIC DENTISTRY.	{	<i>a</i> —Cleft Palate Work. <i>b</i> —Porcelain, Inlay, Crown, Bridge and Plate Work. <i>c</i> —Orthodontia Clinics and Research.
ORAL SURGERY.		<i>a</i> —Physical Diagnosis. <i>b</i> —Pathology. <i>c</i> —Anaesthetics. <i>d</i> —Principles of Practice. <i>e</i> —Therapeutics.
PHYSICS.		<i>a</i> —Lecture course in General Physics. <i>b</i> —Laboratory course of Applied Physics. <i>c</i> —Electro Therapeutics.
PRINCIPLES OF PRACTICE	{	<i>a</i> —History and Literature. <i>b</i> —Ethical Principles and Jurisprudence. <i>c</i> —Business Forms.

## DEPARTMENTS OF INSTRUCTION

## ANATOMY.

PROF. MURPHY.

DR. KIRKPATRICK

The College is fortunate in having for its instructor in this branch one who has taught Anatomy most successfully for many years in the Medical School. Professor Murphy gives a special course to dental students in which emphasis is placed upon the anatomy of the head, face and viscera. In addition, each student is required to dissect one lateral half of the body.

## PHYSIOLOGY.

PROF. PALLETTE.

DR. MYERS.

The course in Physiology is given during the second year. The work consists in a systematic course of lectures, recitations and demonstrations.

The subjects of Cells and Tissues, Blood and the Circulatory System, are first taken up, and later on the course is devoted to the study of the Alimentary Canal, Excretory Organs, Nervous System, Organs of Special Sense, and Organs of Reproduction.

Text Books—Kirk's Handbook, Foster, Stewart.

## COMPARATIVE AND DENTAL ANATOMY.

PROF. BEBB.

DR. REED.

This course will include studies of the General Structure and Form of the Teeth and Surrounding Tissues. Also a comparative study of the Teeth.

Text Books—Black, Thompson's Comparative.

## HISTOLOGY.

PROF. BLACK.

PROF. LEONARD.

1. General Histology is taught first by a recitation course, one hour a week for seven months from the text book.

2. Practical laboratory work four hours a week seven months. Isolated Cells, obtained by scrapings, teasing, etc., are first studied. Following this, sections of each organ of the body are studied. Class demonstrations by means of the projection microscope are given by one of the professors. Individual demonstrations are also given each student at the microscope.

3. Fourteen drawings in colors of selected sections are required.

## BACTERIOLOGY.

PROF. BLACK.

PROF. LEONARD.

A course in Bacteriology is given to the Senior students, covering a period of two months, during which time many of the principal Pathogenic and non-Pathogenic Organisms are studied. Cultures are made by the students from carious teeth, abscesses, etc. The infirmary and the different organisms obtained are plated and cultivated.

The bacteriological laboratory is well equipped with all the modern apparatus and appliances.

## DENTAL HISTOLOGY.

PROF. ATWATER.

There will be lectures and practical laboratory work four hours a week for seven months during the second year. The development of the tooth from the primitive dental groove to the adult tooth will be studied and demonstrated.

Six drawings in color of selected specimens, as seen in the microscope, are required.

## GENERAL PATHOLOGY.

PROF. BLACK.

PROF. LEONARD.

This course comprises two hours a week—lectures and recitations—and four hours laboratory work. In the laboratory, sections are given the class illustrating the various degenerations, inflammations and benign and malignant tumors.

General class demonstrations, by means of the projection microscope, are given by the Professor. In addition, individual instruction is given each student at the microscope. Written descriptions of each section, and ten drawings in colors, are required.

## DENTAL PATHOLOGY AND THERAPEUTICS.

PROF. SMITH.

The instruction in this branch will consist of two lectures each week to Junior and Senior students embracing a study of all pathological conditions of interest to the dental practitioner, together with a general application of the therapeutic agents indicated in the treatment of such conditions.



## CHEMISTRY.

PROF. STABLER.

First year.—The course extends through the year, and consists of one lecture and two laboratory periods of two hours each per week. The first part of the year is devoted to Inorganic Chemistry. A careful study is made of the laws governing chemical action, and the properties of the elements and their compounds. Careful attention is given to the chemistry of the metals and all materials used in dentistry; also, to the chemistry of anesthetics. In the laboratory, practical instruction is given in qualitative and volumetric analysis. The student analyzes some of the common amalgams and alloys. Organic chemistry is studied the last part of the year. Special attention is given to typical reactions and compounds of importance to the dental student.

Second year.—The course in Organic and Physiological Chemistry extend through the first semester, and consists of lectures and laboratory work of two hours each per week. Special attention is given to the chemistry of the mouth, stomach and intestinal tube.

## OPERATIVE DENTISTRY.

PROF. NEWKIRK.

DR. HARPER.

Instruction in this department will be under the supervision of the Dean, who will give lectures to third year students, illustrated by the best models and diagrams obtainable.

The Junior course in Operative Dentistry will follow a natural line beyond that given on Technics in the Freshman year, and if qualified at the beginning of the second semester students may begin operations suited to their abilities in the infirmary.

## CROWN AND BRIDGE WORK AND CERAMIC ART.

PROF. FORD.

Students will receive instruction in Crown and Bridge Technique during their Sophomore year.

Juniors will do practical work in the infirmary, as well as receive lectures upon this subject.

Seniors will perform practical work in the infirmary, and will receive a special course in Porcelain, Covering Inlays, Crowns and Bridges.

SURGERY.

PROF. LOCKWOOD.

Prof Lockwood will give a course of lectures on General and Oral Surgery.

Practical cases in Oral Surgery will be operated on in our new surgical amphitheater.

METALLURGY.

PROF. STABLER.

The course consists of lectures and practical laboratory work one hour each week during the second semester. A careful study is made of the history, structure and properties of the materials used by the dentist. Each student will be required to conduct experiments in the laboratory in melting, refining and alloying, as well as to make experiments in new alloys and compounds. Special attention is given to the analysis and compounding of amalgam alloys.

PROSTHETIC DENTISTRY.

PROF. CRONKHITE.

This branch of the work will be under the charge of Prof. Cronkhite, who will demonstrate on practical cases in the infirmary, and have supervision over all practical work in this department.

GENERAL THERAPEUTICS.

PROF. COLE.

This important course, adapted to both medical and dental students, will be given by Professor Cole from October to January.

OPERATIVES' TECHNICS.

PROF. BEBB.

In this branch of the work the student begins his training for the practical operative work. Tooth dissection, printing, carving and cavity preparation are taught.

NOTE.—As extracted teeth are essential in this work and difficult for the College to obtain, students are requested to bring a supply with them.

## ORTHODONTIA.

PROF. NEWKIRK.

DR. BROWN.

The cause of irregularities, their prevention and correction, will be treated in a course of lectures given by the Dean to the Seniors.

Dr. Brown will give a course in making appliances to the Juniors.

Dr. Robinson will demonstrate the "Angle System."

## GENERAL AND DENTAL MATERIA MEDICA.

PROF. M. EVANGELINE JORDAN.

Prof. Jordan will give a course of lectures, one each week, to the Junior Class upon this subject, and in addition a number of lectures on the Special Care and Management of Children's Teeth.

## PROFESSIONAL ETHICS AND LITERATURE.

DR. J. D. MOODY.

Dr. Moody, himself an exemplar of the subject, will deliver several lectures on this very important matter. The personal and ethical conduct of the student before and after his graduation have quite as much to do in determining his standing and success in the community as do his knowledge and technical skill.

Also, under direction of Dr. Moody, a Dental Society within the school, for literary improvement, the writing, criticism and discussion of papers along professional lines, has been organized and carried through with excellent results.

## THE INFIRMARY.

Under the able superintendency of Dr. Kitchen the work of the infirmary has increased until we have ample clinical opportunity. More patients than could be cared for applied for services the past year.

### Rules Governing the Standing of Students and Examinations

1. The grades will be made upon the scale of 100; the passing mark will be 75; attendance upon infirmary clinics, 90.

2. There shall be no re-examination of unsuccessful candidates for the degree of D. D. S. until the close of the ensuing session; and the said candidates will be required to attend the instruction during the subsequent session on the branch or branches in which they failed before they will be eligible for re-examination.

### Conditions of Admission

#### SPECIAL NOTICE TO STUDENTS.

Extract from Code of Rules of the National Association of Dental College Faculties:

"No college of this Association shall give credit for a full course to students admitted later than *ten* days after the opening day of the session, as published in the announcement."

In case one is prevented by sickness, properly certified to by a reputable practicing physician, from complying with the foregoing rule, the time of admission shall not be later than twenty days from the opening day.

"A candidate for matriculation, who presents a diploma from a reputable practicing physician, from complying with the fore-qualification, shall be admitted without further examination."

"The minimum preliminary educational requirement of colleges of this Association shall be a certificate of entrance into the third year of a high school or its equivalent, the preliminary examination to be placed in the hands of the State Superintendent of Public Instruction."

Candidates for matriculation who have not completed the second year of a high school course, may apply to the deputy of the State Superintendent, at Los Angeles, Prof. A. E. Baker, for examinations.

Students desiring to matriculate should bring and present to the Dean for his inspection any diplomas, literary or otherwise, which they have.

In accordance with the action of the National Association of Dental Faculties, students matriculating 1903 will be required to attend four full regular courses of lectures, of at least seven

months each, in separate years, before they are eligible for graduation.

### **Admission to Advanced Standing**

Extracts from rules of the National Association:

That advanced standing in the classes of members of this Association shall not be given students except in the following instances:

First—Where a student shall have taken a full course in a school a member of this Association, or one especially recognized, and shall have successfully passed the required examinations.

Second—When the student shall present evidence of graduation from a reputable medical college, he may receive one year's advance standing.

Colleges of the Association "may receive into the Junior or Senior classes only such students as hold certificates of having passed a satisfactory examination in the studies of the Freshman or Junior years, respectively; this certificate is to be a pledge to any college to which they may apply that a previous year has been spent in the institution from whence they came."

### **Requirements for Graduation 1904**

1. The candidate for the degree of Doctor of Dental Surgery shall be at least twenty-one years of age and of good moral character.

2. He shall have attended three full courses of lectures, of seven months each, at some recognized and accredited dental school. The last course shall have been attended at this college.

3. He must have passed satisfactory written examinations by the Faculty on the Lecture Curriculum, and earned a satisfactory rating as to attendance and practical work.

### **Precepts and Fees**

1. The matriculation fee must be paid to the Secretary before the name of a student will be recorded.

2. The Board of Directors may, in their discretion, give a rebate, should a student be compelled to discontinue his studies, or allow the application of a part of the fees to the succeeding year.

3. The infirmary of the College will be kept open during the entire year. Students who are already matriculated may be admitted to the summer practical course without the payment of extra fees.

4. The Faculty reserves the right to terminate the connection of any student with the institution at any time on the ground of what it may deem mental or moral unfitness for the profession, disorderly conduct, or failure to comply with the rules of the College.

5. The Faculty claims the right to terminate the College career of any student convicted of practicing dentistry illegally while under its jurisdiction.





# THE COLLEGE OF LAW

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## GENERAL INFORMATION

The Los Angeles College of Law was opened in 1897, and has endeavored from the beginning to furnish advantages for legal instruction equal to any obtainable elsewhere. It has been affiliated with the University of Southern California, and its students will have the privilege of taking without extra cost a limited amount of work in the University, in the Department of Liberal Arts. New courses have been added for the coming year, and in addition to the instruction covering all the fundamental and ordinary branches of the law, provision has been made for lectures upon such subjects as Mining Law, Insurance, Patents, Bankruptcy, Banking Customs, etc.

The College has excellent quarters convenient to the Public and Law Libraries, and the rooms of the City, State and Federal Courts. Ample facilities are furnished for Literary and Debating Societies, and practice Court work. In every respect the opportunities for the study of law are exceptional. The course of instruction covers a period of two years, and leads to the degree of LL. B.

The college year extends from the third Monday in September until and including the second Thursday in June. The School will be closed on Thanksgiving Day, two weeks at Christmas, Washington's Birthday and Memorial Day.

The Aim of the Los Angeles College of Law is to prepare students for practice, and to this end an attempt is made to give a thorough, practical and comprehensive knowledge of the principles of the law included in the following subdivisions:

First.—The Common Law, in its development and as it exists today in the United States.

Second.—Equity in its development and application in the United States.

Third.—The Law of California. And as most of the students attending the Los Angeles College of Law probably expect to practice in California, special attention is given throughout the course to the statutes and decisions of this State, and to its procedure, civil and criminal.

Fourth.—The Public Law of the United States.

As fast as the student becomes acquainted with the primary rights of persons, cases are prepared for his consideration, whereby he may apply the principles of law with which he has become familiar.

There is also established in the senior year a system of college courts corresponding to the justice, the superior and the supreme courts of California, wherein the student may become familiar with the practice and the rules of the courts respectively.

It is the aim of the department to acquaint the student with the practice as well as the theory of law, and to this end the subjects of pleading, evidence, rules of practice adopted by our state courts, methods of securing provisional remedies, appeals from one court to another, the writs of habeas corpus, certiorari, and others of frequent use, conveyancing, drawing contracts and other like practices which comprise the daily work of the general practitioner, will, during the senior year, receive special and careful attention.

Some member of the faculty will preside over each of these courts, and the student is required to prepare papers, bonds, etc., and to furnish the courts with his points and authorities according to the requirements of law applicable to the various courts of the state.

The lecturers in the college are lawyers actively engaged in practice. They come to the class-room direct from the bar, bringing with them fresh experiences and the spirit of actual contest. The student who enters here is expected to come with the purpose of attaining a high degree of excellence in legal acquirements, and to respond in earnestness and with fidelity to the efforts of his instructors in his behalf.

## REQUIREMENTS FOR ADMISSION

Applicants for admission must be at least eighteen years of age and must satisfy the Faculty that their previous education

has been such as to fit them for the study of law.

All students are examined twice a year, at the end of each term. Only such students as pass the examinations in the courses prescribed will receive a degree. They will be expected to devote the hours per week as indicated in the

## COURSES OF INSTRUCTION

### FIRST YEAR.

#### *First Semester.*

Blackstone's Commentaries .....	4
History of English Law .....	1
Contracts .....	4
Agency .....	1
Torts .....	1
Domestic Relations .....	1
Criminal Law .....	1
General Lectures .....	3

#### *Second Semester.*

Sales .....	1
Bills and Notes .....	4
Agency .....	1
Contracts (Carriers—Bailments) .....	2
Criminal Law .....	1
Partnership .....	1
Federal and Economic Subjects—Lectures .....	
General Lectures .....	3

### SECOND YEAR.

#### *First Semester.*

Pleading and Practice .....	2
Evidence .....	4
Equity .....	2
Real Property .....	2
Corporations .....	1
Wills and Administration .....	1
Constitutional Law .....	1

Submitted cases, Moot Courts, Conveyancing, Drawing Contracts, Organizing and Conducting Corporations and General Practical Instructions.

*Second Semester.*

Pleading and Practice .....	2
Equity .....	2
Real Property .....	2
Insurance .....	1
Medical Jurisprudence .....	1
General Lectures .....	2

Moot Courts, Preparation of Cases, Trials and Appeals, and Instruction in General Procedure.

**GENERAL.**

There will be lectures throughout the course by competent men, both of the bench and of the bar, as well as by the regular instructors, upon side subjects, and general topics of legal education.

**FEES**

The fee for tuition is forty dollars (\$40) per year, payable quarterly in advance. The matriculation fee is ten dollars (\$10), and is paid but once.

Non-resident students desiring to attend the college can find board and lodging in Los Angeles at rates varying from \$3.50 and upward per week. Those wishing to spend part of their time in the practical work of a law office will find no serious difficulty in making such arrangements. Opportunity for employment can sometimes be found also, where it is desired to aid in meeting expenses.

**DIPLOMA FEE.**

The fee for the diploma given on graduation is Ten Dollars.

**THE LAW LIBRARY**

The Los Angeles County Law Library is open to all students of the College. The Library at present consists of more than six thousand volumes, including all the Federal and State Reports and a working set of the English Reports, besides the ordinary text books.

Through the courtesy of the Board of Trustees of the Public Library, students have special facilities in the use of the books in the Library.

For further information address Los Angeles College of Law, Los Angeles, Cal.

# THE COLLEGE OF FINE ARTS

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The College of Fine Arts is situated in Garvanza, one of the most charming suburbs of Los Angeles. The cars of the Los Angeles and Pasadena Electric Line pass the door, thus making the college convenient of access. The building is surrounded by spacious and beautiful grounds on the cliff overlooking the famous Arroyo Seco, where the outdoor classes find ample material for sketching, in pool and running stream, in magnificent mountain and foothill scenery, and in groves of superb old live oaks and sycamores.

In this Land of Sunshine outdoor work is practicable and enjoyable the year round without interruption.

Trips are made occasionally to the nearer missions or to the sea beaches or the mountains, all of which are within easy reach by electric cars.

In the Picture Gallery a permanent exhibit of high class work is maintained. This is open to the public on Friday afternoons and to the students of the school at all times.

## Classes

There are classes for men and women in Drawing, Clay Modelling, Painting in Oil, Water-color, or Pastel; there are classes also in illustrating for books and newspapers.

## Courses of Study

The full Teachers' Course includes Perspective, Free-hand Drawing, Painting in Oil and Water-color, Art History, Classic and Sacred History, Anatomy.

The course in Painting and Drawing covers three full years' work and entitles the student to a diploma on passing the required examination and paying the matriculation fee of five dollars.

Special branches may be taken separately, for which certificates of proficiency will be granted on passing the required examinations.

Work done in other schools will be credited in this College when satisfactory proficiency is shown.

### Honors

Competitions, open to all students in the life and portrait classes, take place each week. The best work submitted will be placed on exhibition, and will entitle the author to certain school privileges.

A gold medal will be awarded at the close of the school year to the student who shall have made the best record for the year.

To the full-course graduate making the best year's record a scholarship of one year's post-graduate work will be awarded.

A year's scholarship in the Art Students' League of New York is also open to competition for students of this school.

### Summer School

A summer session will be maintained during the vacation months with classes in outdoor sketching, life, portrait and still life.

Rooms, with or without board, may be obtained in the neighborhood at very moderate rates.

Publishers, designers, decorators and others requiring fine art work can be furnished with the best work or with competent assistants by applying to this school.

Designs for menus, score cards, stained glass or advertisements will be submitted on application.

Schools and colleges can be supplied with competent Art Teachers on application to the College of Fine Arts.

The Art School at the College of Liberal Arts is continued as a branch of this College. The course of study, faculty and fees are the same as at the College of Fine Arts.

### Conditions of Admission

No examination is required for entering the primary classes in any branch.

For the advanced class an example of work must be submitted showing the student's fitness.

Students may enter the school at any time during the school year.

### Post-Graduate Course

Graduates from Normal and High Schools who desire to gain a further knowledge of the principles and practice of fine art will find this short course well adapted to their needs.

The course will cover one school year and will include Art History, the technique of picture making, Artistic Anatomy and practice in Oil, Water Color, Ink and Charcoal.

### Program of Classes

LIFE CLASSES—On Monday, Wednesday and Saturday.

PORTRAIT CLASSES—From the draped model on Tuesday and Thursday.

OUTDOOR SKETCHING—On Friday morning.

JUVENILE CLASSES—Saturday morning.

MODELLING CLASSES—Tuesday and Thursday.

ANATOMY LECTURE—With demonstrations from skeleton and life, Wednesday afternoon.

ART HISTORY LECTURE—With blackboard and other illustrations, Monday afternoon.

### Terms

6 Lessons per week .....	\$10.00 per month
3 Lessons per week .....	5.00 per month
2 Lessons per week .....	4.00 per month
1 Lesson per week .....	3.00 per month
Single Lessons, each .....	\$ 1.00
Full Collegiate Year .....	75.00
Per Semester .....	40.00
Private Lessons, each .....	2.00
Post-Graduate Course .....	80.00

LECTURE COURSE (Free to enrolled students):

Artistic Anatomy .....	\$10.00 per year
Art History .....	10.00 per year

ALL FEES ARE PAYABLE IN ADVANCE.

For particulars apply to the Dean, Wm. L. Judson, College of Fine Arts, Los Angeles, Cal.





# THE PREPARATORY SCHOOL

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The Preparatory School is maintained to prepare students for the College of Liberal Arts. At present the classes meet in the College building, are instructed by the same faculty, and enjoy all the general benefits and privileges open to students in the College classes, including library, lectures, laboratories, religious and social privileges.

## Requirements for Admission

Applicants must have finished work equivalent to that required in the graded schools for admission to the best high schools. They must show evidence of fitness to begin the work of the classes in the school.

While the work of this department is mainly that of preparing students directly for the College classes, yet without lessening our work in this direction, the authorities realize the importance of giving increased attention to the large number of young people who desire academic instruction, but do not wish to devote the necessary time and means to secure a collegiate education. For this large and worthy class, we purpose to provide sufficient facilities, so that in the limited time at their command they may acquire some preparation for their future work. Persons wishing to take a partial course, or to select their studies, can enter the preparatory school without a formal examination, and pursue such subjects as they may be prepared to take.

## Courses of Study

The regular courses of study are three in number, and are designed to prepare students to enter the classical, the philosophical, and the scientific courses in the College. A student who has completed any one of these courses is admitted to the corresponding course in the College.

### Registration

The methods and regulations in registration are the same as those in the College (page 25).

### Reports

Reports of standing are sent to the parents or guardian of each student each semester. The Faculty desire the co-operation of parents in their efforts to maintain a high grade of scholarship and deportment.

### Graduation and Diplomas

The Preparatory School has a special evening set aside in commencement week for its commencement exercises.

All students who complete one of the regular courses of study will be granted a diploma.

## COURSES OF STUDY

	CLASSICAL	PHILOSOPHICAL	SCIENTIFIC
FIRST YEAR	Algebra English Latin	Algebra English Latin	Algebra English *Latin or *French or *Spanish
SECOND YEAR	Ancient History Greek Latin Zoology or Botany	Ancient History English *French or *German Latin	Botany or Zoology English German †Latin or †French or †Spanish
THIRD YEAR	English Geometry Greek Latin	English †French or †German Geometry Latin	Chemistry English Geometry German
FOURTH YEAR	American History Greek Latin Physics	American History English or Botany or Zoology Latin Physics	Advanced Algebra American History Physics Solid Geometry and Trigonometry, or Zoology or Botany

\*The language chosen here must be continued in the following year.

†The language chosen here must be a continuation of that studied in the previous year.

## Departments of Instruction

## ENGLISH.

*First Year.*

1. Scott's *Lady of the Lake* is the introductory study in literature. The mechanical work consists in the exact translations of difficult passages, annotations of unusual words, descriptions of figures of speech, first steps in analysis, exercises in narration and description based upon the poem.

2. The *Alhambra*. The descriptions of the *Alhambra* in connection with pictures constitute the class-room work. The legends are reported upon.

3. Myths. The object of this study is to make the students familiar with the mythological characters which they will meet in subsequent literary work. As far as possible illustrations from art are introduced.

4. Composition. The aim of this year's work is to gain accuracy in the mechanics of writing. The subjects for themes are either narrative or descriptive in character, and are based upon the experience and observation of the pupil.

*Second Year.*

In the study of poems, the plan of the work for the first year is followed for the most part. In translation, more minute work is done in the study of words and synonyms. Special attention is given to the peculiarities of Shakespearean grammar. Character interpretation and ethical problems furnish material for simple argumentative writing in addition to description and narration.

*Third Year.*

In this year, through the study of Dr. Johnson and Pope, an attempt is made to make real the life of men of letters of the eighteenth century. The Shakespearean work embraces that of the second year with greater attention to dramatic structure. Theme writing is accompanied by criticisms upon style from Kellogg's rhetoric.

*Fourth Year.*

Everything is done to make the reading of Chaucer pleasurable, hence special emphasis is laid upon Middle English pronunciation and the reading of Chaucer aloud. Some work is done in historical grammar.

Burke study is made the basis of analysis by topics. In addition original outlines are made for debates and other argumentative writing. Here, as in the preceding years, much memorizing is done, and good reading is considered the test of the student's ability to interpret.

## FRENCH.

### *First Year.*

The aim of the work in this year is to enable the student to pronounce, understand, read and write very simple French. To this end is given constant drill in reading aloud, writing from dictation, and *viva voce* translation, as well as the ordinary work in grammar and writing of exercises.

The vocabulary is increased by the memorizing of poems, and there is a constant endeavor to train the ear as well as the eye. The grammar work comprises the forms and simple uses of the article, noun, adjective and pronoun, with the regular conjugations and some of the commonest irregular verbs.

### *Second Year.*

The grammar is finished and reviewed. Increased facility in translation is acquired by the reading of a large amount of easy and interesting prose, and one recitation period a week is devoted to the rendering into French of connected English prose based on the text which is being read. A modern comedy is read at sight. This part of the recitation is conducted almost entirely in French.

## GERMAN.

The aims and methods of the work in German are very similar to those prescribed for French.

### *First Year.*

Studies in pronunciation, reading, translation, and conversation. Memorizing of poems. The shorter Eysenbach grammar is used, which enables the student to acquire a large working vocabulary, and gives good practice on the inflection of nouns, adjectives, etc.

*Second Year.*

Very easy German is translated, and made the basis for conversation. The grammar is completed and reviewed, particular attention being given to uses of the subjunctive and to the irregular verbs. One exercise a week from Harris's German Composition, parts I and II. Translation of a modern German story. Critical study of Schiller's *Lied von der Glocke*, with memorizing of parts of the poem. Near the close of the year another text is read through rapidly, with a view of increasing the vocabulary, and giving facility in sight translation.

## LATIN.

*First Year.*

The aims of the first year are attained if the pupil becomes thoroughly familiar with the declensions and conjugations, and the more simple constructions, and acquires a good working vocabulary. Some easy Latin in the form of fables and tales is selected for translation.

*Second Year.*

The equivalent of four books of Caesar is translated and made the basis of a careful grammatical drill. Practice is given in pronunciation and in translating at sight.

*Third Year.*

Five or six orations of Cicero are carefully studied with reference to forms, syntax and historical background. A special study is made of subjunctives, and an effort made toward some appreciation of Cicero's diction and literary style. Translation from English into Latin is an important item in the work of this year.

*Fourth Year.*

Six books of Vergil's *Aeneid* are read and translated. Prosody, scansion and mythological references are studied, and the figures of speech are emphasized. As far as is possible, beauty of expression and of imagery is dwelt upon, and a special effort is made to approach the work as *poetry*.

## GREEK.

*First Year.*

White's First Lessons is used throughout the year. The aim of the first year's work is thoroughly to acquaint the pupil with *forms*.

*Second Year.*

During this year the first four books of Xenophon's Anabasis are translated and selections from the fifth book are read at sight. The work is made the basis of a thorough drill in grammar. Goodwin's Greek Grammar is used for reference.

*Third Year.*

Books I-III of Homer's Iliad are read and translated. Special attention is given to the peculiarities of the Homeric forms, to the scansion of dactylic hexameter, and to the mythological references. Goodwin's Greek Prose Composition is used throughout the year.

## HISTORY.

The work in History is carried on by means of text-books, lectures, essays, and library work. Constant reference is made to the atlas and dictionary, maps are drawn, essays required, and the topical method is used for special subjects. Full and carefully kept notebooks are required in all the subjects in this department.

## MATHEMATICS.

The aim of the course in mathematics is to cultivate the habits of independent reasoning, of accuracy of work, of precision and clearness in the statement of conclusions and the reasons upon which they depend. First in importance is the intellectual training that makes the mind a ready and keen tool; second, the orderly acquisition of facts. Absolute thoroughness and work that increases in amount and difficulty with the student's increasing capacity, are required. *The student's efficiency is measured by his power to do.* Throughout the course written reviews and test examinations are frequent.



## ALGEBRA.

I. Fisher and Schwatt's Secondary Algebra, through Quadratics, five hours a week, for one year. The object of the study is not only to acquire a knowledge of the subjects required for admission to the leading universities, but to secure the mental discipline for its own sake, and such a drill as looks to the use of the algebraic method in future study.

II. Lecture and text-book course in Algebra, three hours a week throughout the year. In this course the lectures place special stress on the theory of algebra. This course presupposes Course I, and follows the course in Plane Geometry.

II. Higher Algebra, two hours a week, throughout the year. This course is given as an elective for students of marked mathematical ability, and is open only to those who have taken Course II.

## GEOMETRY.

I. Plane Geometry, five hours a week, throughout the year. Careful attention is given to constructions, clear and logical expression, and above all to the attainment of the power to do original work in geometry. The exercises of the text-book are supplemented by constant suggestions by the teacher for investigations.

II. Solid Geometry, three hours a week, during the first semester.

## TRIGONOMETRY.

Plane Trigonometry, and the study and solution of the Right Spherical Triangle, three hours a week, during the second semester. This course also includes a brief study of Logarithms.

## SCIENCE.

## BIOLOGY.

Botany and Zoology, each given as a full course of seven and one-half hours per week, for one year. The work in each is a combination of text-book study, lectures and laboratory practice, with a careful notebook record of the work actually done by the student under the direction of the teacher. The ground covered and the method employed are such as fully meet the requirements of the State University for an accredited school, and therefore of any university to which the student might desire to go.

## CHEMISTRY.

The subject of Chemistry continues through an entire year, and includes all the general principles—theoretical and practical—of inorganic chemistry, such as given in Remsen and Randall's Chemical Experiments. Recitations and individual laboratory work occupy not less than seven hours per week. A special effort is made throughout to develop the scientific habit of thought and to lead the student to observe the chemical changes constantly taking place. In the laboratory each student is furnished with a desk and all necessary reagents and apparatus, and is required to keep a complete record of work done during the year.

A laboratory fee of seven dollars per semester, and an additional deposit of five dollars is required. The loss by damage or destruction of apparatus will be deducted from the deposit of five dollars, and the balance refunded at the close of the semester.

## PHYSICS.

The most modern treatment is given all the subjects usually studied in this course. The first semester is devoted chiefly to molar dynamics; the second to molecular and ether dynamics, with special emphasis placed upon electricity and some of its applications and recent developments. Recitations and practical work occupy less than seven hours each week throughout the year. The aim of the course is to acquaint the student with all the fundamental principles, both theoretical and practical. The method of individual and experimental study with carefully recorded results, is insisted upon.

A laboratory fee of four dollars per semester is charged.

## SPANISH.

First year, five hours throughout the year. De Tornos' Grammar, Worman's First and Second Readers, Valera's El Pajaro Verde.

Second year, five hours first semester. De Tornos' Grammar, Matzke's Spanish Readings. Five hours second semester. Garner's Spanish Grammar, Knapp's Spanish Readings, Valera's Pepita Jimenez.

## Rooms and Board

Students are required to submit to the Faculty a statement of the places where they desire to room and to board, and must secure their consent in each case.

A club, conducted under the authority of the school, offers table board at about \$2.50 per week for those who must practice economy.

## Fees for Tuition

For full preparatory course, per semester .....	\$26.00
For one study, per semester .....	12.50
For two studies, per semester .....	18.75

For three studies full tuition will be charged.

For laboratory charges see page 30.

Students who are recommended by a quarterly conference as candidates for the ministry; young women who are recommended for the work of deaconess by a quarterly conference and by the Conference Board of Deaconesses; and the children of ministers in the regular work of any evangelical denomination, may have their tuition fees reduced to one-half the regular rate.

A discount of ten per cent. will be allowed when the tuition fees for the whole year are paid in advance; also when two or more students enter from the same family.

No rebate will be allowed for less than one-half a semester's enforced absence.

Other expenses incident to school life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the school for want of money.

For further information address

PRESIDENT GEORGE F. BOVARD,  
1204 W. 37th St., Los Angeles, Cal.



# THE COMMERCIAL DEPARTMENT

PROFESSOR STARKE.

The University maintains a fully organized commercial department, in which a full commercial course is provided for those who wish to prepare at once for business pursuits, and in which students of the Preparatory School and of the College of Liberal Arts, who desire to do so, will have an opportunity to get instruction in the commercial branches. Careful instruction in all the elements of a business education will be given, including full work in stenography and typewriting. A certificate of graduation will be given to those who complete the commercial course or the course in stenography and typewriting.

## COURSES OF INSTRUCTION

BOOKKEEPING.

Our method of teaching the science of accounts makes the subject interesting and comprehensive.

The student learns first to journalize the different kinds of business transactions, and gets the meaning of the terms *debit* and *credit*. He then begins writing regular sets of books from simple and carefully selected business transactions. He is led step by step from the simple to the more difficult work, until he has studied every variety of business transaction and mastered the principles of the subject. The transactions for these sets are carefully chosen, and are well adapted to the study of principles. The student also makes out statements, trial balances, and balance sheets when he closes the ledger accounts. He is now capable of taking up the most fascinating branch of the subject, which is

## BUSINESS PRACTICE.

The student now goes to the Exchange and secures his cash, and other resources with which to begin business. He takes the place of a principal, or of a bookkeeper for a firm, and begins a retail grocery business. He fills out notes, checks, drafts, makes deposits in the bank, writes receipts, makes out bills, statements, etc., and performs every variety of transaction, of which he keeps an accurate record in his books. When this set of books is finished he closes out this business, settles up, and enters the dry goods business, and so on, until he is thoroughly acquainted with the methods of keeping accounts by single and by double entry. Students do the office work by turn until all become familiar with every detail of the work.

## PENMANSHIP.

The ability to write a rapid, neat and legible hand is of the utmost importance to those who are to enter upon a business career. There are many clerical positions for persons who can write well, but none for those who cannot.

Recognizing this fact, our course of instruction is designed to lead the student to study and practice the art with the greatest possible pleasure and success. As a result our students soon become good writers and in the pursuit of other commercial branches make all of their papers and books present a creditable appearance. We teach the style of business writing which is taught by the best commercial colleges, and which is indorsed by business men throughout the country.

## COMMERCIAL ARITHMETIC.

The aim is to give a thorough training in practical arithmetic. Accuracy and speed in addition, subtraction, multiplication and division are required. Thorough work in fractions is done that the student may not be deficient in this important branch of the subject. Denominate numbers are carefully taught. Percentage and all its applications receive careful attention.

## ENGLISH GRAMMAR.

The chief objects to be accomplished in the study of grammar are *accuracy* and *facility* in the use of both spoken and written language.

To secure these ends, a careful study of the principles, forms and laws of discourse is essential. The sentence is the founda-

tion or unit of discourse. All good writing consists of correct sentences properly joined. The student should be able to place the principal and subordinate elements in their proper relation. He should understand the function of every element, its relation to other elements, and its relation to the whole. For this reason great stress is placed upon the importance of composition, the analysis of sentences, and the parsing of words. The aim is to interest and instruct the student in the more practical parts of the subject, and to stimulate and impel him to the use of good language and accurate terms in his every-day pursuits.

#### CORRESPONDENCE.

As a very large per cent of the business of this country is conducted through the medium of letters, the ability to write a good letter can hardly be overestimated. The person who properly exercises this power may win the esteem and confidence of those who thus know him. This subject, as taught in our business course, embraces correct forms for the different kinds of letters—their parts, the heading, the address, the salutation, the body, the complimentary close and signature. The student becomes thorough by practice in writing letters of introduction, recommendation, application, and complaint, and in ordering goods, making remittances and sending telegrams.

#### SPELLING.

The ability to spell and pronounce words correctly, and to use the word having the right meaning at all times, is one of the rarest accomplishments. To aid in attaining this desirable end, it is evident that the student should study not only the spelling, or forms of words, but also their real significance and application. The design of the course is to help the student to become proficient in this subject without which no education is complete.

#### COMMERCIAL LAW.

Business education is incomplete without a knowledge of the laws governing trade. This course requires a careful study of the following subjects: Contracts, Negotiable Paper, Sales of Personal Property, Agency, Partnership, Corporations, Common Carriers, Innkeepers, Insurance, Husband and Wife, Telegraph and Telephone Companies, Patents and Copyrights, Landlord and



Tenant, and some others. A text book will be used, and lectures will be given.

#### SHORTHAND COURSE.

Stenography and typewriting are the principal subjects of this course, but a knowledge of English grammar, spelling and letter-writing are required. Graham's Standard Phonography has been chosen as the most desirable system on account of its beauty, brevity, preciseness of expression, and general harmony of the principles presented. For many years it has been subjected to the most thorough tests in legal, literary, scientific and other forms of reporting. These have been the most convincing evidences of its superiority.

The student is required to master the principles as presented in the corresponding style, before taking up the more advanced work. This is necessary in order to lay a good foundation for the reporting style. The study of amanuensis work then forms an easy stepping stone from the corresponding to the reporting style of writing.

The Remington and Smith Premier typewriters are used, and both the "touch" and "sight" methods of writing are systematically taught.

#### TERMS

Tuition for Commercial Course, per semester .....	\$26.00
Shorthand Course, per semester .....	28.00
Special Penmanship, per month (20 lessons) .....	2.00
Typewriting alone, per semester .....	18.00

# STUDENTS

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## COLLEGE OF LIBERAL ARTS

### Post Graduates

- Brown, Thomas P., Santa Monica.  
Fisher, Robert S., Los Angeles.  
    A. B., University of Southern California, 1900.  
Hoose, Helen Lemoyne, Pasadena.  
    Ph. B., University of Southern California, 1900.  
    B. L., University of California, 1901.  
McCarthy, Del Franklin, Los Angeles.  
    Ph. B., University of Southern California, 1899.  
Miller, Erwin H., Los Angeles.  
    A. B. University of Southern California, 1902.  
Oliver, John, Williams, Arizona.  
    A. B., University of Southern California, 1900.  
Parker, Grace Miles, Pasadena.  
    Ph. B., University of Southern California, 1902.  
Stevens, F. G. H., Pasadena,  
    A. B., University of Southern California, 1899.  
White, Harry Wilkey, Alhambra.  
    B. S., University of Southern California, 1900.

### Seniors

- Beckwith, Maynard Wills .....Los Angeles  
Bien, Edith Kappa .....Los Angeles  
Brown, Ruth Wentworth .....Los Angeles  
Gregory, Dr. Lyman .....Los Angeles  
Jacobs, John Carpenter .....Pasadena  
Knoles, Tully Cleon .....Los Angeles  
Lancaster, Nellie .....Los Angeles  
Rice, Luther Allen .....Los Angeles  
Williamson, Estella M. ....Los Angeles

## Juniors

Cloud, Malcom M. ....	Santa Monica
Gay, Martha Belle .....	Redlands
Maurer, Annie Elizabeth .....	Los Angeles
Pakchoyan, David John .....	Los Angeles
Reeves, Mary Clarinda .....	Santa Monica
Seymour, Charles Francis .....	Los Angeles
Shanahan, Philip Spencer .....	Los Angeles

## Sophomores

Brodersen, Charles Christian .....	Los Angeles
Darlington, George W. ....	Los Angeles
Dyar, Guy Edward .....	Ontario
Enyeart, Grace Eva.....	Los Angeles
Faulkner, Alpha Lulu .....	Santa Paula
Gilman, Arthur Francis .....	Banning
Hazard, Earl .....	Los Angeles
Pomfret, Mattie J. ....	Gardena
Smith, Harold H. ....	Worcester, Mass.
Sundin, Olaf .....	Los Angeles
Thornton, Corliss Russell .....	Norwalk
Trevelyan, G. Hamilton .....	Riverside
Vann, Harold K. ....	Florence
Ward, Lou Johnston .....	Los Angeles
Webster, Leila Ione .....	Los Angeles
Wenger, Beatrice Mae.....	Los Angeles

## Freshmen

Ball, Clinton Cory .....	Los Angeles
Banks, Elizabeth .....	Riverside
Boardman, Esther Carver .....	Los Angeles
Barbur, Le Roy .....	Palo Alto
Casner, Emma Atlanta .....	Santa Paula
Christy, Waldo Beny .....	Phoenix, Ariz.
Cowan, James Rae .....	Phoenix, Ariz.
Davidson, Alice Edith .....	Porterville
Finke, Mrs. E. F. ....	Los Angeles
Force, Evelyn Margery .....	Los Angeles
Grimes, Robert Alonzo .....	Arroyo Grande
Hamlin, Burton .....	Los Angeles

Haws, Murray W. ....	San Bernardino
Heil, Marian Vernelia .....	Santa Ana
Heil, Mildred Elizabeth .....	Santa Ana
Henderson, Edward Alexander .....	Los Angeles
Hockett, Nena Helen .....	Whittier
Hook, Alma Christiana .....	Riverside
Hubbard, John K. ....	Phoenix, Ariz.
Hunter, Katherine .....	Fullerton
Lennox, Walter John .....	Los Angeles
Malcom, Roy .....	Compton
Mitchell, John Shepard .....	Ontario
Oliver, Katherine Elspeth .....	Rialto
Rodenberg, Wilhelmina .....	Los Angeles
Sawyer, Edward O. ....	Los Angeles
Scott, Charles Holmes .....	Los Angeles
Sherman, James Haven .....	Los Angeles
Smalley, Chester Fremont .....	Manitowac, Wis.
Thornton, Calvin .....	Los Angeles
Wade, Franklin Sanborn .....	Hollywood
Weaver, Royal Arthur .....	Highland Park

## Special Students

Balcom, E. E. ....	Fullerton
Hyder, William .....	Los Angeles
Dyar, Cora Maude .....	Ontario
Enyeart, Clare de Rider .....	Los Angeles
Ferguson, James Duncan .....	Globe, Ariz.
Hough, G. A. ....	Los Angeles
Hull, John Nathaniel .....	Los Angeles
Knighten, J. Osmond .....	Los Angeles
Miller, Jesse Ray .....	Prospect Park
Morse, Lenore .....	Salt Lake City
Oates, William Arthur .....	Los Angeles
Seymour, Joseph F. ....	Los Angeles
Shepherd, Mrs. Wilhelmina Louise .....	Los Angeles
Turner, Lena .....	Los Angeles
Winter, Frank Cook .....	Los Angeles
Wershing, Rose Elizabeth .....	Ontario
Wheatley, Logan W. ....	Safford, Ariz.
Woolpert, Royal Myron .....	Los Angeles

## THE COLLEGE OF MEDICINE

## Fourth Year

J. T. M. Allen	J. E. Jenkins
G. E. Bahrenburg	C. A. Jenks
B. D. Berger	C. E. McQuinston
N. C. Bledsoe, Jr.	R. Millsap
B. Crise	T. J. O'Reilly
J. M. Crump	C. C. Pounds
C. G. Dawley	C. C. Paxton
F. Ferry	C. W. Rankin
F. J. Filz	J. T. Rankin
A. M. Field, A. M.	P. L. Rooklidge
C. W. Foster	Seymour, E. C.
C. Freidman	Steen, D. B.
E. G. Goodrich	True, H. B.
A. B. Hamilton	Wise, P.
J. S. Gowan	Yerxa, C.

J. A. Jackson

## Third Year

G. M. Anthony	A. W. Moore
C. H. Blaney	E. C. Moore
F. H. Brown	G. E. Padleford
Ira E. Brown	A. C. Pratt
L. J. Brown	F. P. Reese
C. A. Burrows	S. V. Riley
A. E. Butterfield	G. C. Sabichi
E. J. Claypool	J. F. Spencer
W. S. Dezendorf	J. K. Suckow
H. Garcelon	H. Syer
N. S. Hayes	H. B. Tebbets
J. A. Jockson	E. P. Thom
D. Keith	C. O. Waterman
R. S. Manley	M. E. Wellcome

## Second Year

F. F. Bayley	L. D. Hollingsworth
W. Bayley	L. J. Huff
J. C. Brown	C. W. Lawton
N. J. Brown	J. M. Martin

N. N. Brown  
L. W. Burt  
L. M. Crain  
J. O. Chaipella  
F. Clair  
B. L. Clogston  
C. W. Fordyce  
J. H. Hall

J. E. Pottenger  
C. H. E. Remondino  
B. B. Sharpe  
W. W. Sherer  
G. H. Skinner  
W. C. Smiley  
D. A. J. W. Thieme  
H. M. Voorhees

C. H. Wood

**First Year**

J. F. Ball  
W. Barnhart  
S. A. Bristol  
L. M. Brunson  
D. M. Caley  
H. H. Chamberlain  
I. Crowell  
F. B. Dwire  
D. C. Farnsworth  
J. R. French  
J. G. Ham  
A. H. Jackson  
E. Kinne

J. M. Kellogg  
C. C. Ledyard  
A. H. MacFarland  
E. G. Mattison  
T. J. O'Hara  
W. J. Reed  
H. S. Rideout  
K. Ross  
H. A. Thornton  
C. M. Thorpe  
A. H. Waterhouse  
A. H. Winter  
W. A. Wood

## THE COLLEGE OF MUSIC

Abbott, Mrs. D. H. ....	Los Angeles
Ambrose, Laura ....	San Pedro
Anderson, Oria ....	Los Angeles
Arnett, Lillian M. ....	Whittier
Barron, Flora ....	Los Angeles
Bass, Ethel ....	Los Angeles
Beck, Metta ....	Los Angeles
Beckwith, M. W. ....	Los Angeles
Blanchard, Miss A. F. ....	Los Angeles
Bosbyshell, Fred H. ....	Los Angeles
Brady, Katherine ....	Los Angeles
Brown, Miss A. C. ....	Los Angeles
Carroll, Maud ....	Los Angeles
Casler, Elizabeth ....	Los Angeles
Crist, Royal H. ....	Los Angeles
Cromwell, Ethelwynne ....	Los Angeles
Davis, Mrs. Raymond M. ....	Pomona
Dillon, James ....	Long Beach
Dinsmore, Laura ....	Los Angeles
Dunton, Ethel ....	Los Angeles
Evans, Anna ....	Indianapolis, Ind.
Freeman, T. Fred ....	Ontario
Gregory, Elizabeth ....	Los Angeles
Guiberson, Blanche ....	Los Angeles
Harper, Cora ....	Los Angeles
Hawley, Maud ....	Los Angeles
Hill, Hazel ....	Los Angeles
Hoffman, Grace ....	Los Angeles
Holly, Luella ....	Los Angeles
Hough, Marie ....	Los Angeles
Jacobs, John C. ....	Los Angeles
Jennison, Girlie ....	Downey
Kelly, Clara L. ....	Los Angeles
King, Fred ....	Los Angeles
King, Ula ....	Los Angeles
Kuhn, Mrs. B. H. ....	Los Angeles
Lane, Harry A. ....	Alhambra
Leigh, Jessie ....	Los Angeles
Lennox, W. J. ....	Long Beach



Lenton, Lavina E. ....	Fullerton
Lindstrom, Leona ....	Williams, Ariz.
Lipe, Clara ....	Los Angeles
Longwell, Margaret ....	Ontario
Lynn, Theta ....	Long Beach
Macloskey, Pearl ....	Los Angeles
Martin, Miss Theo ....	Santa Barbara
Megary, Edith ....	Los Angeles
Morris, Bertha ....	Los Angeles
Morse, Leorna ....	Salt Lake City, Utah
Patton, Madge ....	Los Angeles
Pico, Lisita ....	Los Angeles
Pierce, Mrs. Kate L. ....	Los Angeles
Prior, Guy ....	Riverside
Quesnel, Regina ....	Los Angeles
Quinn, Margaret ....	Los Angeles
Reichenbach, Ruth ....	Los Angeles
Schroeder, Gussie ....	Los Angeles
Seymour, Joseph ....	Los Angeles
Shaw, Lillian ....	North Pasadena
Shepherd, Grace ....	Corona
Sumner, Alvin ....	Los Angeles
Taylor, Mrs. H. N. ....	Los Angeles
Tesch, Bianca ....	Los Angeles
Thomas, Della ....	Escondido
Thompson, Mrs. Elizabeth ....	Los Angeles
Tinker, Minnie M. ....	Los Angeles
Tolchard, Roy ....	Los Angeles
Turner, George ....	Los Angeles
Wahlberg, Edith ....	Los Angeles
White, Dora ....	Los Angeles
Whitehorn, Grace ....	Los Angeles
Williams, Letitia ....	Los Angeles
Wright, Jacqueline ....	Los Angeles
Yerxa, Mabelle ....	Hollywood
Young, Edith Hope ....	Santa Ana

## THE COLLEGE OF DENTISTRY

## Third Year

Baker, William A.	Keagy, J. M.
Brizius, Wm. J.	Luccock, J. Parkhill
Boyd, Bert	Saitow, Seitaro
Buck, Kate D.	Stambaugh, Chas. D.
Burt, Forney E.	Stookey, G. L.
Caler, P. B.	Symington, W. H. L.
Hack, H. W.	Wallace, Walter J.
Honodel, W. R.	Weaverling, Gennette F.

## Second Year

Brown, Harry G.	Mueller, F. E.
Cole, C. E.	Packard, L. M.
Engstrom, Chas. J. R.	Ritz, Royal A.
Fulsom, Harry A.	Rogers, W. W.
Gillespie, Delos S.	Ross, J. R.
Hodson, Walter J.	Spencer, Roy L.
Holcombe, J. D.	Sprague, George H.
Jarvis, Clarence C.	Thornburg, Frank S.
Miller, Glenn G.	Williams, Charles C.

## First Year

Arnold, Burrows C.	McElhany, M. A.
Bailie, H. C.	*McDonald, F. S.
Bailey, Ralph	McKenzie, T. W.
Brown, Horace E.	Metcalf, James A.
Burdette, Leo W.	Miller, Dora
*Caldwell, Albert J.	Neel, Ross E.
Cason, Frank V.	Price, Rae
*Chaffee, Chester	Ransom, Harry E.
Dean, Frank	Shepherd, H. B.
Dean, Oscar	*Sherwood, G. P.
Dixon, Max M.	Smith, Horace A.
Flanders, Geo.	Spinks, Andrew M.
*Galloway, Charles S.	Stare, C. B.
Giguette, Frank A.	Wood, G. H.
Jessup, Arthur H.	*Irregular.
Johnson, Alvin	†One half term.

## THE COLLEGE OF LAW

## Seniors

Batzer, Frederick J. ....	California
Carrigan, Lew .....	Iowa
Hickox, Ross T. ....	California
Lindley, Angus R. ....	California
Palin, M. A. ....	California
Riggins, Harley E. ....	California
Schultz, Carl .....	California
Segerstrom, Charles H. ....	Minnesota
Smith, Walter E. ....	Wisconsin
Stephens, Albert L. ....	California

## Juniors

Benrosch, Albert .....	California
Bowers, Walter J. ....	Colorado
Brinkerhoff, Orlando B. ....	Kansas
Buckler, Clement L. ....	California
Enyeart, Clare .....	California
Goldberg, David .....	California
Hampton, Elry J. ....	Tennessee
Kelly, Heber B. ....	Missouri
Lander, Warren J. ....	California
McCaley, Edward A. ....	Colorado
Nagaka, I. ....	Japan
North, John C. ....	California
Page, Gilbert J. ....	New Jersey
Reid, Matthew D. ....	California
Rixon, Charles, Jr. ....	Illinois
Schweitzger, Dell A. ....	Iowa
Seymour, Joseph F., Jr. ....	California
Shiboya, Seijiro .....	Japan
Smith, Oscar B. ....	Alabama
Stoughton, Herbert L. ....	Iowa
Tuttle, George W. ....	California
Waterman, George A. ....	California
Wilson, Charles S. ....	California
Woodward, Ralph R. ....	California
Wright, Arthur L. ....	Indiana

## THE COLLEGE OF FINE ARTS

Mrs. Holway .....	916 Park Ave.
Mrs. Long .....	1140 W. 29th St.
Mrs. C. A. Allen .....	811 Beacon St.
Mamie Lee .....	1200 W. 12th St.
Edith Carey .....	Vermont Ave. and 39th St.
Mary E. Quail .....	Highland Park
M. E. Pickering .....	Pasadena
Ellen L. Galpin .....	Garvanza
J. D. Hoose .....	Pasadena
Ellen M. Parker .....	2134 Brooklyn Ave.
Norman Tyler .....	Anaheim
Mrs. Ellsworth .....	Garvanza
Walter Judson .....	212 Thorne St.
Frank Derby .....	725 E. First St.
Peter Hansen .....	725 E. First St.
Otto Gutterson .....	725 E. First St.
J. Lionel Judson .....	Garvanza
Florence Winter .....	230 S. Soto St.
E. L. Sigler .....	923 W. 36th St.
Chester Winder .....	Ave. 64
Mrs. Bell .....	Garvanza
Madge Whitcomb .....	Highland Park
Ella Barber .....	Pasadena
Arley Tottenham .....	716 S. Flower St.
May D. Hitchcock .....	2700 S. Grand Ave.
Mrs. M. J. Loy .....	601 S. Flower St.
Mrs. A. I. Robertson .....	Pasadena
Mrs. I. B. Bond .....	Carleton Hotel, Pasadena
Alma May Cook .....	110 N. Figueroa St.
Earl G. Knight .....	827 Maple St.
Logan Larne .....	850 W. 16th St.
L. A. Harte .....	Riverside
Miss Bergson .....	Riverside
Miss McClung .....	Vancouver, B. C.
Mrs. Orlena Minser .....	101 Boyle Ave.
Edith C. Peckham .....	Redlands
Mrs. Thomas .....	140 S. Madison Ave., Pasadena
Grace Abbott .....	Garvanza

Nona Dickens .....	3701 Moneta Ave.
Virginia de Baca .....	830 Stanford Ave.
Florence Clark .....	2117 Oak St.
Ruth Fletcher .....	Whittier
Edith Paddison .....	Whittier
Lala May Nichols .....	221 W. 31st St.
J. Berna Bedford .....	San Bernardino
M. C. Godfrey .....	711 W. 9th St.
Mrs. Dando .....	Santa Monica
Mrs. D. L. Farrington .....	Pasadena
Jesse Whitcomb .....	Highland Park
Eva M. Smith.....	1749 W. 24th St.
Martha L. Robinson .....	9th St.
Mrs. Waugh .....	Winnipeg, Manitoba
N. E. Dunter .....	1407 S. Flower St.
Anna Marie Hansen .....	3207 Manitou Ave.
Rose Pitcher .....	

## THE PREPARATORY SCHOOL

## Fourth Year

Atwood, Amy Lovina .....	Los Angeles
Campbell, Charles G. ....	Los Angeles
Ferguson, Claude .....	Bakersfield
Garcia, Ernesto Bento .....	Albuquerque, N. M.
Henze, Margaret Marie .....	Los Angeles
Holditch, William James .....	Orange
Mathis, Earle H. ....	Los Angeles
Montgomery, John Wesley .....	Templeton
Payton, Mable Fern .....	Perris
Runyon, George Orien .....	Arroyo Grande
Smith, Bert Clifford .....	Los Angeles
Staininger, Hugh Raymond .....	Los Angeles
Wilson, Luther Elgin .....	Birmingham, Ala.

## Third Year

Anderson, Mary Elaine .....	San Dimas
Barnum, William Floyd .....	Gardena
Beckwith, Herman Eldridge .....	Los Angeles
Bickford, Jay Hamilton .....	Redlands
Cammack, Irvin Roscoe .....	Los Angeles
Crowell, David Harrison .....	Los Angeles
Curl, Ralph Latta .....	Los Angeles
Davidson, Gordon Scott .....	Pinos Altos, N. M.
Ellis, Clyde F. ....	Oceanside
Garbutt, Clara Louise .....	Ontario
Gerrett, Edith Alexandria .....	Los Angeles
Gibson, Bessie Rosetta .....	Los Angeles
Green, Buel Herndon .....	Los Angeles
Hall, Bertha Vera .....	Los Angeles
Hall, Mable Roma .....	Los Angeles
Hamilton, James Edgar .....	Kirkland, Ariz.
Hare, Bessie .....	Los Angeles
Harris, Nelson Arthur .....	Los Angeles
Hendricks, Andrew O. ....	Axel, Minn.
Herbst, Elsie Margaret .....	Ontario
Hickox, Fidelia Allegra .....	Ontario

Horstman, Elsa Henrietta .....	Templeton
Husted, Adalbert P. ....	Los Angeles
Kayama, Kai .....	Los Angeles
Lancaster, Annie Laura .....	Los Angeles
Lusk, William F. ....	Los Angeles
Miller, deMont George .....	Los Angeles
Montgomery, Eugenia .....	Simi
Montgomery, Sumner Edwin .....	Paso Robles
Neuhart, Georgia .....	Los Angeles
Sevier, Roscoe .....	Gardena
Shenk, Mary Miller .....	Los Angeles
Stafford, Florence Robbins .....	Los Angeles
Van Dyk, Frank .....	Le Mar, Iowa
Warner, Everett .....	Los Angeles
Whitaker, Jay .....	Rolfe, Iowa
Wood, William Herbert .....	Gardena

### Second Year

Blumve, Edna Marian .....	Los Angeles
Bovard, Warren Bradley .....	Los Angeles
Carpenter, Gilbert Alonzo .....	Fallbrook
Chapman, Max Laurence .....	Los Angeles
Cook, Miriam Arnold .....	Los Angeles
Cowan, James Alexander .....	Los Angeles
Davis, Nellie Lee .....	Greenville, Tex.
Edwards, David William, Jr. ....	Los Angeles
Foss, Josiah Davis .....	Los Angeles
Fowler, Eva .....	Los Angeles
Hall, Alice Violet .....	Los Angeles
Hall, Florence Marion .....	Los Angeles
Hall, Katheryne Myrtle .....	Los Angeles
Hall, Mary Brown .....	Los Angeles
Hamilton, Charles Sumner .....	Redlands
Hamilton, William James .....	Santa Barbara
Heath, Louis Hartman .....	Redondo
Hilmer, Richard William .....	Los Angeles
Holman, Walter .....	Los Angeles
Janes, Mabel Cornelia .....	Los Angeles
Janes, Nellie Esther .....	Los Angeles
Kempson, Essie Belle .....	Gardena



Long, Harry Hudson .....	Los Angeles
Lindstrom, Leona Harriette .....	Williams, Ariz.
Miller, Maude Hazel .....	Los Angeles
Miller, Read Erskine .....	Los Angeles
Montgomery, Wayne Warren .....	Simi
Murdock, Lillian Grace .....	Los Angeles
Osburn, Winifred .....	Los Angeles
Powell, Jesse Orr .....	Jacksonville, Ind.
Reid, Seth Barton .....	Garvanza
Rosebury, Stewart Cinamond .....	Los Angeles
Shenk, Susie .....	Los Angeles
Shields, Frederick Edward .....	Los Angeles
Smith, Elva .....	Idaho Falls
Stradley, Lillian .....	Los Angeles
Sylvester, Wesley Davis .....	Los Angeles
Whitney, Walter Ticknor.....	Avalon, Catalina
Wilson, Charles Wilson .....	El Paso, Texas
Woodhead, Blanche Ellen .....	Los Angeles

### First Year

Addison, Edna Helen .....	Los Angeles
Ambrose, Laura .....	San Pedro
Anderson, Jacob Isiah .....	Los Angeles
Apablaza, Benjamin .....	Los Angeles
Barbur, Le Roy .....	Los Angeles
Bauer, Nora .....	Los Angeles
Brown, Stella Thompson .....	Los Angeles
Buchanan, Genevieve .....	Los Angeles
Burmeister, Emma Minnie .....	Los Angeles
Canfield, Lois .....	Los Angeles
Carroll, Maude Elizabeth .....	Los Angeles
Clay, Thomas Lymon .....	Los Angeles
Cook, Maude Blanche .....	Los Angeles
Coomber, Alexander .....	Los Angeles
Davis, William Ralph .....	Los Angeles
Dougherty, Hugh Merton .....	Los Angeles
Dunn, John James .....	Moneta
Edwards, Effie May .....	Los Angeles
Gardiner, Margaret Louise .....	Los Angeles

Grainger, Ira .....	Shandon
Gray, Roy A. ....	Los Angeles
Groate, Allen .....	Los Angeles
Groover, Le Roy James .....	Los Angeles
Hargrave, Pascal King .....	Gila Bend, Ariz.
Harriman, William Ruddy .....	Los Angeles
Haslam, Roland Elbert .....	Gardena
Hawkins, Floye Nancy Marsh .....	Los Angeles
Hogan, Chester Leland .....	Los Angeles
Hough, Elmo .....	Redlands
Kelly, Clara Lenore .....	Los Angeles
Kerns, Pearl Elizabeth .....	Los Angeles
Lackey, Earl Vincent .....	Los Angeles
Lane, Abbygail .....	Los Angeles
Larkey, Lucile .....	Los Angeles
Lewis, Georgia May .....	Los Angeles
Miller, Albert .....	Los Angeles
Miller, Sue Clara .....	Colorado Springs
Mott, Albert DeWitt .....	Estrella
Nottingham, Ralph .....	Norwalk
Omachi, Kenhichi .....	Los Angeles
Palmer, Herbert C. ....	Los Angeles
Randall, Louise Marguerite .....	Los Angeles
Randall, Wilbur Walter .....	Los Angeles
Rankin, Cecil .....	Los Angeles
Robinson, Annie Laurie .....	Los Angeles
Rodgers, Tudor Stowe .....	Los Angeles
Rowley, Daisy .....	Gila Bend, Ariz.
Rowley, Charles Abner .....	Gila Bend, Ariz.
Rundell, John Thomas .....	Los Angeles
Smith, William Clarence .....	Moneta
Spencer, Wendell J. ....	Whittier
Straininger, Earl George .....	Los Angeles
Sutherland, Friend Isaac .....	Los Angeles
Thomas, John .....	Los Angeles
Tremain, Ethel Elizabeth .....	Los Angeles
Truitt, Laurana .....	Los Angeles
Waddell, Albert .....	Los Angeles
Walker, Wilfred G. ....	Los Angeles
West, Mary De Butron .....	Los Angeles

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Wright, Lena ....	Los Angeles
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# YEAR BOOK FOR 1903-04

MAY, 1904

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PUBLISHED BY THE UNIVERSITY



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OF  
SOUTHERN CALIFORNIA

*Year Book 1904-05*

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MAY, 1904

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*Published by the University,  
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# Calendar

1904-05

## COLLEGE OF LIBERAL ARTS

1904.

Sept. 12-13, Monday and Tuesday—Entrance examinations and registration.

Sept. 14, Wednesday—First semester begins.

Nov. 24-25, Thursday and Friday—Thanksgiving recess.

Dec. 23, Friday—Christmas vacation begins.

1905.

Jan. 4, Wednesday—College exercises resumed.

Jan. 19-24, Thursday-Tuesday—Mid-year examinations.

Jan. 25, Wednesday—Second semester begins.

Jan. 26, Thursday—Day of prayer for college.

Feb. 22, Wednesday—Washington's Birthday.

April 15, Saturday—Easter vacation begins.

April 25, Tuesday—College exercises resumed.

May 30, Tuesday—Memorial Day; a holiday.

June 8-13—Final examination.

June 11—Baccalaureate Sunday.

June 12, Monday—Annual meeting of Trustees.

June 15, Thursday—Commencement.

June 16, Friday—Alumni reunion.



# The University

The University of Southern California was founded in 1879 and was formally opened for students in October, 1880. It comprehends the following colleges, each of which has a distinct faculty of instruction:

The College of Liberal Arts.

The College of Medicine.

The College of Law.

The College of Dentistry.

The College of Music.

The College of Oratory .

The College of Art.

A Preparatory School and Commercial School are also maintained. The courses of instruction are stated on other pages of this catalogue.

The government of the University is committed to a Board of twenty-one Trustees. This Board has the power to elect professors and other officers of instruction, to manage the property of the University Corporation, and to determine the general policy of the institution.

It is gratifying to the friends of the University to know that the efforts to raise for it a permanent endowment have brought encouraging results. A fund of \$200,000, started by gifts of \$65,000 from the late Rev. Asahel M. Hough and his wife, Mrs. Anna G. Hough, has recently been raised for the College of Liberal Arts. It is confidently hoped that other friends will in the near future give material assistance to the movement to endow the University.

Los Angeles is the metropolis of Southern California which comprises the south half of the State. Its population of about 135,000 represents almost every State in the Union and many foreign lands.

The climate throughout the year is such that tourists from every quarter come to spend a part of the year, and many return to make this their permanent home.

It is the greatest railroad center on the Pacific Coast. Three transcontinental lines are completed, and work on a fourth has begun. A network of electric roads connect the city with the numerous beaches, mountain resorts and outlying towns. These are reached by delightful journeys through orange groves and orchards of semi-tropical fruits characteristic of the region.

Los Angeles is known as the Convention City of the West. Every year brings large bodies of people here for the discussion of every kind of public interest known to science, politics, religion and the humanities.

These great conventions afford the student an excellent opportunity to study the subjects of their discussion, while the resident population of the city is sufficiently large to afford important advantages for the study of sociology and kindred subjects.

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*Assistant in Zoology.*

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- HUGO A. KIEFER, A. B., M. D. . . . Douglas Block  
*Instructor in Ophthalmology.*
- RANDALL HUTCHINSON, A. M., M. D. . . Bradbury Block  
*Instructor in Medicine and Physical Diagnosis.*
- TITIAN J. COFFEY, M. D. . . . . Wilcox Block  
*Instructor in Clinical Obstetrics.*



- JOHN A. COLLIVER, A. B., M. D. . . . . Bradbury Block  
*Professor in Physiology.*
- JOHN L. KIRKPATRICK, M. D. . . . . 114 S. Spring St.  
*Demonstrator of Anatomy.*
- EDMUND MYER LAZARD, M. D. . . . . Bradbury Block  
*Instructor in Obstetrics.*
- E. L. LEONARD, M. D. . . . . Trust Building  
*Instructor in Histology and Pathology.*
- A. SOILAND, M. D. . . . . Johnston Building  
*Instructor in Electro Therapeutics.*
- L. G. VISSCHER, M. D. . . . . Laughlin Building  
*Lecturer on Diseases of the Stomach and Bowels.*
- ARTHUR GODIN, M. D. . . . . Potomac Block  
*Instructor in Materia Medica.*

### Clinical Staff

#### MEDICINE.

PROF. COLLIVER                      DR. MILLSPAUGH                      DR. HUTCHINSON

#### SURGERY.

DR. COFFEY                      DR. GUY COCHRAN                      DR. TATE  
    DR. DEBARTH SHORB                      DR. RAY SMITH

#### CHILDREN.

DR. KATE WILDE                      DR. M. H. BREWLEY  
    EYE.

PROFESSOR ELLIS                      PROFESSOR BULLARD  
    DR KIEFER                      DR. HARRIS

#### EAR, NOSE AND THROAT.

PROFESSOR BABCOCK                      DR. HASTINGS

#### SKIN AND VENEREAL.

PROFESSOR WILLIAMS                      DR. MURRIETTA

#### GYNECOLOGY.

PROFESSOR BECKETT                      DR. MCGARRY

#### MIND AND NERVOUS.

PROFESSOR BRAINERD                      DR. ROSS MOORE

#### PHARMACOLOGY.

FRED C. MCKINNIE

## THE COLLEGE OF MUSIC

- WALTER FISHER SKEELE, A. B., Dean . . . 2709 W. Eighth St.  
*Professor of Pianoforte and Pipe Organ.*
- JOHN DOUGLAS WALKER . . . . . 837 W. 35th St.  
*Voice Culture and Directing.*
- CHARLES E. PEMBERTON . . . . . Blanchard Bldg.  
*Harmony, Counterpoint, Composition and Musical Theory.*
- J. CLARENCE COOK . . . . . 510 W. First St.  
*Violin.*
- BERTHA MORRIS . . . . . 2729 W. Eighth St.  
*Piano.*
- WILLIAM H. MEAD . . . . . Blanchard Bldg.  
*Flute.*
- C. S. DELANO . . . . . 2610 W. Eighth St.  
*Guitar and Mandolin.*

## COLLEGE OF DENTISTRY

- GARRETT NEWKIRK, M. D., Dean,  
*Professor of Operative Dentistry.*
- HENRY G. BRAINERD, A. B., M. D.,  
*Emeritus Professor of Principles of Medicine.*
- CLAIRE W. MURPHY, M. D.,  
*Professor of Anatomy.*
- GEO. W. LASHER, M. D.,  
*Emeritus Professor of Surgery.*
- STANLEY P. BLACK, Ph. B., M. D.,  
*Professor of General Histology and General Pathology.*
- WILLIAM C. SMITH, D. D. S.,  
*Professor of Dental Pathology and Therapeutics.*
- GEORGE W. LASHER, M. D.,  
*Emeritus Professor of Surgery.*
- LEWIS E. FORD, D. D. S.,  
*Professor of Crown and Bridge Work and Ceramic Art.*

EDWARD M. PALLETTE, Ph. M., M. D.,  
*Professor of Physiology.*

H. GALE ATWATER, D. D. S.,  
*Professor of Dental Histology.*

LAIRD J. STABLER, M. S., Ph. C.,  
*Professor of Physics, Chemistry and Metallurgy.*

M. EVANGELINE JORDAN, D. D. S.,  
*Professor of Materia Medica.*

WILLIAM BEBB, D. D. S., Secretary,  
*Professor of Comparative and Dental Anatomy.*

JAMES A. CRONKHITE, D. D. S.,  
*Professor of Prosthetic Dentistry.*

CHARLES D. LOCKWOOD, A. B., M. D.,  
*Professor of Surgery.*

JOSEPH D. MOODY, D. D. S.,  
*Lecturer on Ethics Hygiene and Literature.*

B. W. HARPER, D. D. S.,  
*Associate Professor of Operative Dentistry.*

ULRICH D. REED, D. D. S.,  
*Lecturer on Dental Anatomy.*

T. C. MYERS, M. D.,  
*Lecturer on Physiology.*

EDWARD C. BAILEY,  
*Lecturer on Dental Jurisprudence.*

JOHN L. KIRKPATRICK, M. D.,  
*Assistant in Anatomy.*

E. L. LEONARD, M. D.,  
*Associate Professor of General Histology and General Pathology.*

RAY D. ROBINSON, D. D. S.,  
*Instructor in Orthodontia.*

CHARLES A. KITCHEN,  
*Superintendent of Infirmary.*

JOS. M. KING, M. D.,  
*Instructor in General Therapeutics and Anesthesia.*

## THE COLLEGE OF LAW

### Board of Control

(Under supervision of University Board)

GEO. F. BOVARD, A. M., D. D., *President of the University.*

GEO. I. COCHRAN, *Treasurer of the University.*

A. J. WALLACE.

HARTLEY SHAW.

NATHAN NEWBY.

FRANK M. PORTER.

T. W. ROBINSON.

### Staff of Instructors, 1904-05

GEO. F. BOVARD, A. M., D. D., *President.*

FRANK M. PORTER, A. B., L. L. B., *Dean.*

*Evidence.*

GAVIN W. CRAIG, L. L. B., *Secretary.*

*Elementary Law and Torts.*

HON. JOHN D. WORKS (*Ex-Justice Supreme Court*).

*Pleading and Practice.*

HON. W. A. CHEENEY (*Ex-Judge Superior Court*).

*Constitutional Law.*

HON. CURTIS D. WILBUR (*Judge Superior Court*).

*Wills and Probate Law.*

E. W. CAMP, A. B., L. L. B.

*Equity.*

HON. E. W. BRITT (*Ex-Supreme Court Commissioner*).

*Water Rights.*

WILL A. HARRIS,

*Mines and Mining Law, and Negligence.*

FRANK R. WILLIS, L. L. B.

*Criminal Law.*

WILLIAM M. HIATT (*Attorney Title Ins. & Tr. Co.*)

*Real Property.*

MATTISON B. JONES, A. B.

*Corporations.*

W. P. JAMES,

*Contracts, Agency, Bailments and Sales.*

W. C. PETCHNER, B. S.

*Commercial Paper*

SAM L. BAKER,  
*Domestic Relations.*

T. W. ROBINSON, A. B.  
*Statutory Interpretation.*

### Lecturers

W. T. CRAIG,  
*Bankruptcy.*

LE COMPTE DAVIS,  
*Medical Jurisprudence.*

JAMES R. TOWNSEND,  
*Patents.*

WILBUR S. TUPPER, A. B., L. L. B. (*V.- Pres. Con. Life Ins. Co.*)  
*Insurance.*

T. W. ROBINSON,  
*Briefing, and Use of Books.*

EARL ROGERS,  
*Advocacy.*

W. P. JAMES,  
*Justice's Court Practice.*

CLARK R. MAHAN, A. B., L. L. B.  
*Admiralty.*

### THE COLLEGE OF ARTS

WILLIAM L. JUDSON,  
*Dean.*

MADGE MACALLISTER WOOD,  
*Professor of Drawing.*

RUTH FLETCHER,  
*Professor of Drawing.*

WALTER H. JUDSON,  
*Professor of Designing.*

.....

*Clay Modelling.*

BERTHA M. RUNDSTROM,  
*Professor of Art History.*

FLORENCE HYER,  
*Flower Painting.*

# The College of Liberal Arts

## CONDITIONS OF ADMISSION

### Admission to the Freshman Class

Candidates for admission to the Freshman class must be at least sixteen years of age, and must present evidence of good moral character, together with credentials from the institution in which they were prepared, or from their last instructors.

Candidates must also give, either by examination or by certificate, satisfactory evidence of preparation in *fifteen units*\* of preparatory subjects. They may be selected from either of the following groups of subjects:

#### GROUP A.

English (1)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Govern- ment (4)	1
Latin (7) and (8)	4
or French (11)	}
or German (10)	
Greek (9a)	2
Physics (6)	1
Elective subjects, chosen by the candidate from the general list of preparatory sub- jects described on pp. 23 ff.	3
<hr/>	
15 units	

\*The term "unit" is used to denote a preparatory subject studied through one school year, with five class exercises (or the equivalent) per week.

†The figures in parenthesis give the number of the subjects in the general list of preparatory subjects described on pp. 23 ff.

## GROUP B.

English (1)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Government (4)	1
Latin (7)	2
German (10) or French (11)	2
Latin (8)	} 2
or German (10) (if not counted above)...	
or French (11) (if not counted above)...	
or Spanish (12)	
or English (14)	
or Mathematics (15a or 15b) and a Science	} 1
Physics (6)	
Elective subjects chosen by the candidate from the general list of preparatory subjects described on pp. 23 ff.	3
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15 units	

## GROUP C.

English (4)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Government (4)	1
German (10)	2
Latin (7)	} 2
or French (11).....	
or Spanish (12).....	
or English (14).....	
Algebra (15a)	1
Physics (6)	1
Botany (16)	} 2
or Zoology (17).....	
or Chemistry (19)...	
Elective subjects chosen by the candidate from the general list of preparatory subjects described on pp. 23 ff.	3
<hr/>	
15 units	

\* The term "unit" is used to denote a preparatory subject studied through one school year with five class exercises (or the equivalent) per week.

† The figures in parenthesis give the number of the subjects in the general list of preparatory subjects described on pp. 23 ff.



CONDITIONAL ADMISSION.

Candidates may be conditionally admitted to the Freshman class if they are not deficient in more than *twenty semester-hours* (two units) of preparatory work. They must, however, remove all such conditions before they may obtain Junior standing.

I. ADMISSION BY CERTIFICATE.

Candidates who have completed a regular course in the Preparatory School of this University, or in an accredited high school, may be admitted to the College of Liberal Arts without examination, on presenting a certificate signed by the principal. Credit will be given only for entrance subjects in which the candidate is specifically recommended. Recommendations will be accepted from any school accredited by this University, Leland Stanford Junior University, or the University of California. The Faculty reserves the right, however, to require an examination upon any or all of the studies set for entrance, whenever there is doubt that the preparation has been sufficient. The candidate should bring his certificate of recommendation when he presents himself for matriculation.

2. ADMISSION BY EXAMINATION.

The regular examinations for admission will begin on Monday, September 12, 1904, when candidates will be examined in all the required admission subjects not covered by certificate from an accredited school.

**Preparatory Subjects**

The following items will serve to indicate both the kind and the amount of work expected in the different preparatory subjects accepted for admission, as well as the units of credit allowed for the same:

1. ENGLISH. A short essay on an assigned subject will be called for, with the purpose of testing the candidate's accuracy in spelling, punctuation, division into paragraphs, and his power of expressing himself in clear and correct English. The candidate will also be required to give evidence of a thorough study of the subject-matter, form and structure of each of the following assigned works: (1) *The Lady of the Lake*; (2) *Gayley's*

Classic Myths; (3) The Alhambra; (4) Sir Roger de Coverley; (5) Short Poems (Syle's from Milton to Tennyson), - Allegro, The Deserted Village, The Cotter's Saturday Night, The Ancient Mariner; (6) The Merchant of Venice; (7) Macbeth; (8) Snow-Bound, Selections from Childe Harold. (2 units.)

2. ALGEBRA, including Quadratics. (1 unit.)

3. PLANE GEOMETRY, including original exercises. (1 unit.)

4. UNITED STATES HISTORY AND CIVIL GOVERNMENT. Channing, and Fiske, or an equivalent. (1 unit.)

5. GRECIAN AND ROMAN HISTORY. Myers, or an equivalent. (1 unit.)

6. PHYSICS. The equivalent of one year's work, including both laboratory and text-book work. Accurate notes of the laboratory work should be kept. Gage's Elements or Carhart and Chute's High School Physics will serve to indicate the amount of text-book study required. (1 unit.)

7. ELEMENTARY LATIN. First Latin Book; four books of Cæsar, or an equivalent; translation of simple English sentences into Latin; translation at sight of easy passages from Viri Romæ, Cæsar, or Nepos. (2 units.)

8. ADVANCED LATIN. (a) Six orations of Cicero; translation of connected passages from English into Latin. (1 unit.) (b) Six books of Vergil's Aeneid, or four books of the Aeneid and 2000 lines of Ovid's Metamorphoses; translation of connected passages from English into Latin; review of the Grammar. (1 unit.)

9. GREEK. (a) Grammar and Lessons; Anabasis, book I-III; prose composition. (2 units.) (b) Anabasis, book IV; Iliad, books I-III; prose composition; sight reading; review of the Grammar. (1 unit.)

10. GERMAN. A knowledge of the inflections of articles, nouns, adjectives, pronouns, weak verbs and usual strong verbs; also of the use of the modal auxiliaries, the common prepositions, the simpler uses of the subjunctive, and the order of words; the reading and translation of stories and plays, such as Storm's *Immensee* and Benedix's *Der Prozess*; translation of easy English into German, translation at hearing and pronunciation. (2 units.)

11. FRENCH. A knowledge of the essentials of grammar, in-

cluding the inflections of nouns, adjectives, pronouns, regular and common irregular verbs; the use of personal pronouns and the elementary rules of syntax; ability to pronounce accurately and read smoothly; translation of modern stories and plays, such as About's *Le Roi des Montagnes* and Labiche and Martin's *Le Voyage de M. Perrichon*; translation at hearing and at sight; translation of easy English into French. (2 units.)

12. SPANISH. Grammar, Garner, Monsanto or De Tornos; reading from Matzke's Spanish Readings, Knapp's Spanish Readings, Pepita Jiminez; translation of easy English into Spanish, and simple conversation in Spanish. Special importance attached to a knowledge of Spanish verbs. (2 units.)

13. MEDIAEVAL AND MODERN HISTORY. Myers, or an equivalent. (1 unit.)

14. ENGLISH LITERATURE. (1) Burke's Conciliation Speech, Pitt on American Affairs, Julius Cæsar, Sir Roger de Coverley, Webster's Reply to Hayne; (2) *Poems*—Milton's Lycidas and Sonnets; Dryden's Alexander's Feast and the Character of a Good Parson; Pope's Rape of the Lock; Gray's Elegy, and the Bard; Keats' Eve of St. Agnes; Shelley's The Cloud, The Skylark, and Sonnets of the Nile; Wordsworth's Ode on the Intimations of Immortality; Browning's Transcript from Euripides; Tennyson's The Passing of Arthur; Milton's Comus; Lowell's Vision of Sir Launfal. (3) Silas Marner. (2 units.)

15. MATHEMATICS. (a) Advanced Algebra. (1 unit.) (b) Solid Geometry; Plane Trigonometry. (1 unit.)

16. BOTANY. A study in the laboratory and field of types of plant groups. Drawings and notes made directly from the specimens must be submitted as evidence of the character of the work done. A full year's work. (1 unit.)

17. ZOOLOGY. One year's work on the structure, relationship and habits of animals. Laboratory note-books with drawings will be required. (1 unit.)

18. PHYSIOLOGY. An equivalent of Martin's Human Body,—Shorter Course. (1 unit.)

19. CHEMISTRY. Laboratory and text-book work for one school year, such as outlined in Remsen's Introduction to the Study of Chemistry, or Newell's Experimental Chemistry. At least four hours per week throughout the year is required in

actual laboratory practice in order to complete the amount of laboratory work desired. (1 unit.)

NOTE.—Candidates who offer subjects in Science will be required to present their note-books in the same.

## II. Admission to Advanced Standing

Students from other institutions of recognized collegiate rank may be admitted to such standing and upon such terms as the Faculty may deem equitable, upon presentation of letters of honorable dismissal. Every such candidate is required to present a catalogue of the institution in which he has studied, with a full statement, duly certified, of the studies he has completed, including studies passed at entrance as well as those credited. The Faculty reserves the right to determine the amount of credit to be given a student upon his certificate, after a test of at least one semester.

Students offering for college credit subjects pursued in a preparatory school which are deemed the equivalent of certain subjects in the college curriculum, as, for example, trigonometry, must pass a satisfactory examination in the same before they may receive credit therefor toward the one hundred twenty hours required for a degree.

## III. Admission as Special Students

Persons who are mature and who wish to devote their time to special work in one department, or in one subject, with its related branches, may be admitted as special students. They are not candidates for a degree, but may become so by satisfying the entrance requirements for a regular course. Special students are subject to the same regulations as regular undergraduates, and failure to maintain a good standing will work forfeiture of their privileges.

Special students, on leaving the College, will be granted letters of dismissal certifying the studies they have pursued, and their recorded grades.

## STANDING AND GRADUATION

### Registration

The first day of each semester is Registration Day. On that day each student must secure from the office a registration card, obtain upon it the Treasurer's receipt, and submit it with his list of studies to the Resignation Committee, for approval. This card must be returned to the office before the close of the *first week* of the semester. At the beginning of the first semester, registration of studies shall be made for the entire year. Changes in registration may be made, with the sanction of the Registration Committee, at the beginning of the second semester. Students entering for the first time should present their credentials to the Registration Committee for credit and entry; otherwise they will be required to pass examinations in the subjects necessary for admission to the class desired. In the choice of studies, all work necessary to remove conditions must be provided for first; and prescribed studies should take precedence of elective studies, or those ahead of the student's class.

### Graduation

The College of Liberal Arts now offers as many courses from which the student may elect as there are departments in which a major is offered.

Each course the student may pursue is designed to give a liberal education and leads to the degree Bachelor of Arts (A. B.)

The student must complete one hundred twenty semester hours of college work, including the prescribed studies and a *major* in one department.

A semester-hour means one exercise a week throughout a semester. It is intended that each hour of credit shall represent, for the average student, one hour of recitation or lecture, and two hours of preparation or subsequent reading per week, or an equivalent amount of work in laboratory courses.

Fifteen hours per week of recitations or lectures, or their equivalent in laboratory work, constitute an average semester's work. Students may register for as few as *thirteen* or as many as *eighteen* hours by making application to the Registration Committee.



### Prescribed Studies

In all the courses in which the student is a candidate for the bachelor's degree he must complete work as follows:

ENGLISH, one year, seven hours.

SCIENCE, one year, eight or ten hours. (The course elected may be in Chemistry, Zoology, Physics or Botany.)

MATHEMATICS, one year, seven hours.

HISTORY OR PHILOSOPHY, one year, six hours.

LANGUAGE, two years, fourteen hours. (The courses elected may be in Latin, Greek, German, French or Spanish.)

The Freshman year should be devoted to the completion of thirty hours of these prescribed subjects.

### Major Subject

Each undergraduate student must select the work of some one department as his major subject. The selection may well be deferred until the beginning of the second year. The requirements for major work are stated under the courses of instruction in the departments in which a major is offered.

The major subject may be changed with the approval of the professors of the old and new subjects, provided the student is able to meet the requirements of the new major.

### Elective Studies

All of the remaining work required for graduation is elective. The professor in charge of the major subject selected by any student, together with the President of the University, act as advisers to the student in the selection of such subjects as will bear some useful relation to the course he is pursuing.

### Classification of Students

Students who have no entrance conditions, and who have completed twenty-four semester-hours of the Freshman year, will be classed as Sophomores.

Those who have completed the work prescribed for the Freshman year, and twenty-four semester-hours of the Sophomore year, will be classed as Juniors.

Those who have completed eighty-eight semester-hours will be classed as Seniors.

Students who have completed one hundred twenty semester-hours, including all prescribed work, will be entitled to receive the degree of Bachelor of Arts.

### Absence from Exercises

1. Excuse must be rendered for all absences from required exercises. 2. A student who is absent during a semester from more than one-tenth of the whole number of recitations or laboratory periods held in any subject shall be required to pass a special examination in that subject at the end of the semester in which such absences occur. 3. A student who is absent from more than one-sixth of the whole number of recitations or laboratory periods held during a semester in any subject shall have his registration in that subject canceled. If, however, a student whose registration has been canceled can show sufficient cause for his absence, and if his previous standing be such as to indicate that he can make up his loss and maintain a suitable quality of work in the subject, he may have his registration restored by presenting his case to the Faculty.

In applying this rule, absence from the first or last recitation in a study, or consecutive absences in which either the first or last recitation is included, will be counted each as two absences.

4. Students are required to attend a minimum of three-fifths of all chapel exercises.

### Examinations and Grades

At the close of each semester the regular examinations are held in the studies of the semester. After the examinations a report is sent to the parent or guardian of each student, giving his standing in his studies for the semester. The general character of the work of each student in each study is indicated by his assignment to one of four grades, grade 1 denoting the highest excellence, and grade 4, failure to pass.

A student whose work in a subject is marked conditioned or incomplete is delinquent in that subject. Such delinquency must be made up, in such manner as the instructor may determine, on or before the tenth Saturday of the semester next after that in which the delinquency occurs. If the delinquency be not thus made up, the student will be required to take the subject again



with a class before he may receive credit for the same. A fourth grade may be removed only by taking the subject in class again.

The co-operation of parents with the Faculty is earnestly solicited, in their efforts to maintain a high standard of scholarship and deportment, and to promote the welfare of all entrusted to their care.

### Master's Degree

The degree of Master of Arts (A. M.) is conferred upon graduates of the College of Liberal Arts of the University and upon others who have had an equivalent training elsewhere on completion of an approved course of graduate study equivalent to thirty semester hours.

Candidates who pursue this advanced study in residence at the University may receive the degree as early as one year after graduation. Those who do not pursue the study in residence may receive the degree not earlier than two years after graduation.

At least sixteen semester-hours of the work offered for the Master's degree must be chosen from one department, in which the candidate has previously completed the undergraduate *major work* or an equivalent. This advanced work will be the *major subject*. The remainder of the work will be the *minor subject*, and may be chosen from any department approved by the Faculty.

Resident candidates must register not later than the first Tuesday in October next preceding the date of the final examination. Non-resident candidates must register one year earlier.

A thesis embodying the results of investigation on an approved subject in the major department must be submitted and be approved by the major professor before the candidate may be recommended for a degree.

The subject of the thesis must be submitted to the Faculty for approval through the major professor not later than January 10, and the completed thesis not later than the last Saturday in May, of the year in which the degree is desired. The thesis must be typewritten on paper 8x10 inches in size, and a copy of the same deposited in the Library.

## EXPENSES

The charges in the Treasurer's bill are as follows:

Tuition, per semester, payable in advance....	\$35.00
Same for single study.....	17.00
Same for two studies.....	24.00

Registration fee, included in above but not subject to rebate ..... 5.00

(Gymnasium fee and instruction in physical education included in the above.)

Laboratory fee, per semester:

General Chemistry .....	7.00
Analytical Chemistry .....	7.00
Quantitative Chemistry .....	7.00
Assaying .....	30.00 to 50.00
Advanced Physics .....	4.00
General Biology .....	4.00
Advanced Zoology .....	4.00
Advanced Botany .....	4.00
Advanced Physiology .....	4.00
Bacteriology .....	5.00

An account is kept of breakage and an additional charge made therefor.

An additional deposit of \$5.00, to cover breakage, is required in Chemistry. This deposit, less cost of breakage, is refunded at the end of the semester.

Students who are recommended by a quarterly conference as acceptable candidates for the ministry; young women who are recommended for the work of deaconess by a quarterly conference and by the Conference Board of Deaconesses; and the sons and daughters of ministers in the regular work of any evangelical denomination, may have their tuition fee reduced to one-half the regular rate.

A discount of ten per cent. will be allowed on the second semester when the tuition fees for the whole year are paid in advance; also when two or more students enter from the same family.

No rebate will be allowed for absence of less than half a semester.

A fee of five dollars is charged for the bachelor's degree.

Board and furnished rooms can be secured in private families

at from three dollars to five dollars per week. Furnished rooms accommodating two students, without board, cost from four to eight dollars per month. A Students' Club, organized for those who desire to economize, provides board at about two dollars and fifty cents per week.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the college for want of money.

## COURSES OF INSTRUCTION

### BIBLE

I. THE PENTATEUCH AND HISTORICAL BOOKS OF THE OLD TESTAMENT. Ethnic Cosmogonies; Semitic Tradition; Hebrew Archaeology; Comparative Ethics; Politics and Religion. Elective. *One hour, throughout the year.*

II. THE PROPHETIC AND WISDOM BOOKS OF THE OLD TESTAMENT. Literary forms; connection of Israel's history with that of contemporary nations; Messianic prophecy and other relevant topics. Elective. *One hour throughout the year.*

III. THE GOSPEL HISTORY. The social, political and religious life of the opening of the Christian era; the supernatural in the person and ministry of Christ; Christian Ethics. Elective. *One hour, throughout the year.*

IV. THE APOSTOLIC HISTORY AND LITERATURE. Questions that agitated the Apostolic Church in conflict with Judaism, the Roman Government, and current systems of Philosophy. Elective. *One hour, throughout the year.*

V. A GENERAL VIEW OF THE BIBLE. A course of lectures to be given by prominent gentlemen of Los Angeles and vicinity before the students of the College. These lectures will treat of the archaeological, historical, prophetic, ethical, religious, literary, musical, legal, and other phases of the Bible.

## BIOLOGY

PROFESSOR ULREY,

*Assistant in Zoology:* CALVIN THORNTON.

*Assistant in Botany:* JAMES RAE COWAN.

The student of biology endeavors to know animals and plants as complete, living organisms; the structure and functions of the parts; the development and life-habits; their action on environment and their modification by environment; their likenesses and differences.

This study of the laws of life by actual contact with living things cultivates in the student the power of observation and analysis. It enlarges his mental horizon and gives him not only a clearer conception of plants and animals, but also a knowledge of some of the fundamental principles of society and social institutions.

### Zoology

I. GENERAL ZOOLOGY. Laboratory study of representative types of invertebrate and vertebrate animals from the simplest to the most complex. A series of lectures co-ordinating the laboratory work and dealing with the general problems of biology. The course includes a study of animal structure, functions, relationships and adaptation to environment. The student receives instruction in the use of the microscope, dissecting apparatus, and is directed in the study of animals in their native environment. Eight hours laboratory work and lectures per week throughout the year. *Four hours, each semester.*

II. HISTOLOGY. The microscopical anatomy of animal tissues. Methods of preparation of tissues with practice in fixing, sectioning, staining and mounting for microscopical study. The structure of tissues is studied in relation to their functional activities. Laboratory work, lectures and recitations eight hours per week one semester. Prerequisite Course I. *Four hours.*

III. EMBRYOLOGY. The general course of development of one of the higher vertebrates. Special study of the early stages of development of the organs. Embryological methods and practice in serial sectioning. The lectures deal with the general problems of embryology. Eight hours per week, one semester. Prerequisites Zoology I and II. *Four hours.*

IV. PHYSIOLOGY. Lectures, laboratory work and recitations on the activities of living organisms in general. Special study of the physiology of the human body. Eight hours per week one semester. Prerequisites Zoology I or Botany I. *Four hours.*

V. ANATOMY OF VERTEBRATES. Dissection of some of the higher vertebrates; quizzes, recitations and lectures. The course is primarily for preparatory medical students. Eight hours per week are required in the laboratory one semester. Prerequisite Zoology I. *Four hours.*

VI. SYSTEMATIC ZOOLOGY. The course deals with certain groups of vertebrates with special reference to morphology and relationships. Laboratory study, field work and lectures. Six hours per week one semester. Prerequisite Zoology I. *Three hours.*

VII. SPECIAL ZOOLOGY. Investigation of some topic of limited scope. This course is planned to meet the needs of each student prepared to pursue it. Six hours per week throughout the year. Prerequisites Zoology I, II, III, IV and V, or their equivalent. *Three hours, each semester.*

## Botany

I. GENERAL BOTANY. The course comprises a study of typical plants representing the vegetable kingdom. The first semester is devoted to cryptogams, the second semester to spermatophytes. Laboratory study, field work and lectures. Eight hours per week throughout the year. *Four hours, each semester.*

II. VEGETABLE HISTOLOGY. The minute structure of the tissues of plants. Microscopical methods of preparing permanent mounts; imbedding, sectioning and staining. Laboratory work and lectures. Eight hours per week one semester. Prerequisite Botany I. *Four hours.*

III. VEGETABLE PHYSIOLOGY. Experimental work on the physiology of plants, lectures and supplementary reading. Six hours per week one semester. Prerequisite Botany I. *Three hours.*

IV. ECOLOGY AND TAXONOMY. A study of flowering plants (spermatophytes) in the local flora. The course deals with the relationships of plants to their environment and affinities indicated by their structure. Six hours per week one semester. Prerequisite Botany I. *Three hours.*

## General Biology

I. BACTERIOLOGY. The course consists of a study in the laboratory and by means of lectures of the nature of the bacterial organism; its relation to disease, methods of cultivating and isolating non-pathogenic and pathogenic forms; inoculation experiments, staining of sections, examination of water, etc. Eight hours per week one semester. Prerequisites Zoology I or Botany I. *Four hours.*

II. BIONOMICS. A course of lectures dealing with the general principles of biology. The problems of inheritance, development and sex are considered from the cytological standpoint throughout the first semester. Variation, heredity, selection, regeneration and kindred topics are studied during the second semester. Two hours per week throughout the year. Prerequisites Zoology I or Botany I. *Two hours, each semester.*

III. HYGIENE AND SANITARY SCIENCE. A course of lectures and laboratory demonstrations on (a) the improvement and preservation of health, and (b) the applications of science in the home. Open to all students. *Two hours, one semester.*

IV. NATURE STUDY. A series of lectures and lessons on the study of living objects. The course affords opportunity for the student to learn something of the more common objects of nature and how to study them profitably. Open to all students. *Two hours, one semester.*

V. EXPERIMENTAL BIOLOGY. The course consists of a series of experiments on organisms to determine their response to conditions varied from those normal to the plant or animal. (a) Variation; (b) Hybridization; (c) Regeneration. The work must be continued throughout one or two years. It may be made the basis for a graduation thesis. Prerequisite, six semesters of Zoology and Botany. *Three hours, each semester.*

VI. BIOLOGICAL SEMINARY. Occasional meetings of the students and instructors of the department to consider reports of special investigation on certain subjects and the recent literature of biology.

Courses I in Zoology, Botany and General Biology will be offered each year. Other courses will be given as the time of the instructors will permit and the needs of the students present require them.



Medical preparatory students should elect Zoology I-V, Botany I, General Biology I and II.

Major Work: (a) *Zoology*, Courses I-IV and V, or VI or VII; General Biology II. (b). *Botany*, Courses I-IV; General Biology I and II.

## CHEMISTRY

PROFESSORS STABLER AND SHEPHERD.

*Assistant in Chemistry*: ARTHUR F. GILMAN

*Assistant in Chemistry*: JOHN W. MONTGOMERY.

*Assistant in Chemistry*: ERWIN H. MILLER, A. B.

Courses I, II, III and IV are prerequisites to all other courses in Chemistry.

In all laboratory courses except course XI, a laboratory deposit of twelve dollars per semester for each course is required. Of these charges five dollars per semester, less breakage, is returnable at the end of the course. In course XI a fee of twenty dollars is charged, and in addition a deposit of ten to thirty dollars is required to cover cost of materials consumed.

I. GENERAL INORGANIC CHEMISTRY—NON-METALS. Lectures and recitations, with illustrative experiments and study of a manual. Remsen's Advanced Course. Usual prerequisite, Matriculation Chemistry. To be taken in connection with course III. *Three hours, first semester.*

II. GENERAL INORGANIC CHEMISTRY—METALS. A continuation of course I, together with an introduction to the study of Qualitative Analysis. To be taken in connection with course IV. *Three hours, second semester.*

III. GENERAL INORGANIC CHEMISTRY—LABORATORY. A series of experiments illustrating the general laws of chemical action, and designed to supplement course I and be taken in connection with it. Six hours per week in the laboratory. *Two hours, first semester.*

IV. QUALITATIVE ANALYSIS. A laboratory course in elementary qualitative analysis, with occasional lectures and recitations. Noyes' Qualitative Analysis. Six hours per week in the laboratory. *Two hours, second semester.*



V. QUANTITATIVE ANALYSIS. Laboratory practice in gravimetric and volumetric determinations, with occasional lectures and recitations. Cheever-Smith's Select Methods. Nine hours per week in the laboratory. *Three hours, first semester.*

VI. ADVANCED QUALITATIVE ANALYSIS. A laboratory course involving difficult qualitative separations, and the separation and detection of some of the rare elements. Weekly lectures and discussions. Prescott and Johnson's Qualitative Chemical Analysis is recommended for reference. *Three to five hours, second semester.*

VII. ORGANIC CHEMISTRY. Lectures and recitations on the chemistry of the carbon compounds. Remsen's Organic Chemistry. *Two hours, both semesters.*

VIII. MINERAL ANALYSIS. Gravimetric and volumetric analysis of representative minerals, ores and alloys. Prerequisite, Course V. *Four or five hours, either semester.*

IX. QUANTITATIVE ANALYSIS OF AGRICULTURAL PRODUCTS. Systematic analysis of fertilizers, dairy products, etc. Prerequisite, Course V. *Four or five hours, either semester.*

X. MEDICAL CHEMISTRY. A laboratory course, including urine analysis, toxicology and food analysis. Designed especially for students looking forward to medicine or pharmacy as a career. Open to students who have completed or are taking courses V and VII. *Three hours, either semester.*

XI. ASSAYING. This course comprises silver and gold extraction by scorification and crucible methods; fire assay of copper, lead and tin, extraction of gold from ores by the amalgamation, the chlorination, the cyanide and the electrolytic processes. *Two hours, either semester.*

MAJOR WORK: Sixteen semester-hours in addition to courses I-IV.

## DRAWING

PROFESSOR JUDSON.

Students who, after the Sophomore year, take courses in Drawing in the School of Art, may receive college credit for the same, not to exceed four semester-hours.

## ENGLISH

PROFESSOR VANCE.

Candidates for admission to the Department of English must satisfy the entrance requirement in Greek IX (2 units), or Latin VII and VIII; German X; French XI; English I and XIV. [If the preparatory work in Greek, Latin, French, or German has not been completed before the time of entrance, that subject may be included in the electives of the Freshman and Sophomore years.]

For graduation in English thirty hours of work in the Department of English must have been completed.

English courses I, II, III, V, VI, VII, IX and XI are required of all students who make English their Major.

I. ENGLISH COMPOSITION AND RHETORIC.—(a) A course in narration and description based on masterpieces of English prose. *Two hours, first semester.* (b) A course in the principles of exposition and argumentation, with study of English models. *Two hours, second semester.*

II. HISTORY OF ENGLISH LITERATURE.. A general view of English Literature with copious reading and reports. *Two hours, throughout the year.*

III. AMERICAN LITERATURE. This course embraces a survey of American literary history, with special study of the works of the chief American poets. *Two hours, throughout year.*

IV. PROSE WRITERS OF NINETEENTH CENTURY. Lamb, Macaulay, Carlyle, Emerson, Ruskin, Arnold, Lowell. Lectures, discussions and reports. *Two hours, second semester.*

V. EIGHTEENTH CENTURY AUTHORS.—(a) Rapid reading through the most important literature of the period. Special study of Pope, Swift and Johnson. (b) The beginnings of the English romantic movement. *Three hours, throughout the year.*

VI. NINETEENTH CENTURY POETS.—(a) With special reference to Wordsworth and Shelley. (b) With special reference to Tennyson and Browning. *Three hours, throughout the year.*

VII. CHAUCER.—Selections from Canterbury Tales and minor poems. Supplementary work in Middle English Grammar. *Two hours, first semester.*

VIII. MILTON.—Paradise Lost, Paradise Regained, Samson Agonistes. *Two hours, second semester.* (Not given 1904-5.)

IX. SHAKESPEARE.—Selected plays from the Comedies and Tragedies. Close critical study with interpretation of plot and characters. *Three hours, first semester.*

X. HISTORY OF THE NOVEL.—Readings and reports. *Two hours, second semester.*

XI. ANGLO-SAXON.—(a) Grammar. Readings from prose and poetry. *Two hours, first semester.* (b) Beowulf. *Two hours, second semester.*

## FRENCH

PROFESSOR BORTHWICK.

I. FRASER AND SQUAIR'S FRENCH GRAMMAR.—The essentials of grammar; exercise in pronunciation, reading, translation and composition. Dumas's *La Tulipe Noire* and Labiche *Le Voyage de Monsieur Perrichon* will be read in the second semester. *Four hours, throughout the year.*

Course I is intended for students in the College who wish to begin the study of French. It covers the ground of preparatory subject II.

II. (a) MODERN FRENCH READING.—Daudet, *Lettres de mon Moulin*, or *Tartarin de Tarascon*; Balzac, *Eugénie Grandet*; Super, Readings from French History; Victor Hugo, *Hernani*.

(b) GRAMMAR AND COMPOSITION.—Frazer and Squair's French Grammar.

(c) PRIVATE READING of selected works, with reports.

Open to students who have completed Course I, or its equivalent, or who have credit for entrance requirement II. *Three hours, throughout the year.*

III. CLASSICAL LITERATURE OF THE SEVENTEENTH CENTURY.—Corneille, *Le Cid*, Horace; Racine, *Esther*; Molière, *L'Avare*, *Les Précieuses Ridicules*. Collateral readings, dictations and short lectures on the classical literature. Open to students who have completed Course II. *Two hours, throughout the year.*

NOTE—French III is given alternately with German IV. It will be given in 1904-5.

## GERMAN

PROFESSOR BORTHWICK.

I. JOYNES-MEISSNER'S GERMAN GRAMMAR.—Selected readings in German prose and poetry. Wesselhoeft's German Composition, Parts I and II. This course includes the essentials of German grammar, with numerous exercises in composition, translation at hearing, reading of literature in the form of easy stories and plays, with some practice in translation at sight and memorizing. *Four hours, throughout the year.*

Course I is intended for students in the College who wish to begin the study of German. It covers the ground of preparatory subject 10.

II. (a) SCHILLER.—Wilhelm Tell.

GOETHE.—Hermann and Dorothea.

LESSING.—Minna von Barnhelm. Reference readings on the lives of the authors studied.

(b) GERMAN NOVELLETES.—Rapid reading, reading at sight and free reproduction.

(c) COMPOSITION AND GRAMMAR.—Text books continued from Course I. Open to students who have completed Course I, or its equivalent, or who have credit for entrance requirement 10. *Three hours, throughout the year.*

III. SCIENTIFIC AND JOURNALISTIC GERMAN.—German Science Reader. Prehn's Journalistic German. Special assigned reading of scientific monographs. Exercises in dictation and composition. Open to students whose Major is in science and who have completed Course I. *Two hours, throughout the year.*

IV. NINETEENTH CENTURY GERMAN.—Selections from the works of Grillparzer, Sudermann, and Scheffel. Open to students who have completed Course II. *Two hours, throughout the year.*

NOTE—German IV alternates with French III, and will not be given in 1904-5.

## GREEK

PROFESSOR TAMAR GRAY COLE.

A. (a) HOMER'S ILIAD I-III. (b) Prose *Composition*.  
(c) Sight translation. Review of the Grammar. *Four hours, throughout the year.*

Course A is intended for students who offer only two years of Greek for entrance.

Provision will also be made for students who enter without Greek, but who wish to begin the language in College. Such students are required to do two years' work in preparation for Courses I and II.

I. FOUR BOOKS OF THE ODYSSEY.—Seymour's Homeric Language and Verse. Studies in Homeric life and dialect. Sight reading. Reading of the entire Iliad and Odyssey in English translation. *Four hours, first semester.*

II. HERODOTUS AND THUCYDIDES.—Selections. Collateral reading on topics of Greek history suggested by the text. *Four hours, second semester.*

III. PLATO.—Apology and Crito. Lectures on the life and writings of Plato. Elective for Sophomores. *Three hours, first semester.*

IV. (a) DEMOSTHENES.—De Corona. Studies in Greek Syntax.  
(b) SOPHOCLES.—Antigone. History of the Greek Drama.  
Elective for Sophomores. *Three hours, second semester.*

V. (a) EURIPIDES.—Alcestis and Medea.  
(b) SOPHOCLES.—Philoctetes.  
(c) ARISTOPHANES.—The Clouds.  
*Three hours, throughout the year.*

VI. PLATO.—Gorgias; Protagoras; Phædo (Selections). *Three hours, throughout the year.*

Courses V and VI are given in alternate years.

MAJOR WORK: Courses I-VI.

## HISTORY AND PHILOSOPHY

PROFESSOR HOOSE.

INSTRUCTOR KNOLES.

## POINT OF VIEW OF THE COURSES IN HISTORY.

History is an account of ideas and institutions in movement, rather than an account of personalities and events. Ideas are thoughtful experience embodied in definitions or in documents; they change in form and content as experience varies under different conditions. Personalities are the agents who exploit ideas. Events are reactions among ideas and personalities. Institutions are ideas formulated in practice to serve the purpose of human living. Civilization is the sum total of ideas and institutions which exist at any given period of time upon any given portions of the earth—*i. e.*, civilization is the evolution of ideas and institutions.

I. MEDIAEVAL EUROPE.—From A. D. 375 to 1789. Text-books: Emerton's "Introduction to the Middle Ages;" Emerton's "Mediaeval Europe." Lectures. Prerequisite for Courses II, III and IV. *Three hours, throughout the year.* Instructor Knoles.

II. MODERN CONTINENTAL EUROPE.—Selected periods, including the French Revolution, and the Organization of the German Empire. Text-books: Lowell's "Eve of the French Revolution;" Andrews, "The Historical Development of Modern Europe." Lectures. *Three hours, throughout the year.* Instructor Knoles.

III. ENGLISH CONSTITUTIONAL HISTORY.—Text-books: Gardiner's "Student's History of England;" "Constitutional Essays," by Wakeman and Hassal; Boutmy's "English Constitution." *Three hours, throughout the year.* Instructor Knoles.

IV. CONSTITUTIONAL AND INSTITUTIONAL HISTORY OF THE UNITED STATES.—Text-book: Bryce's "American Commonwealth." *Three hours, throughout the year.* Lectures and readings accompany the recitations in each course. Professor Hoose.

MAJOR WORK: Courses I to IV. inclusive.

## POINT OF VIEW OF THE COURSE IN ECONOMICS.

The science of economics inquires into the sources and nature of wealth, and the relations which it sustains to individual, social, civil and national well-being. This science investigates the principles and laws that are evolved by industrial, commercial, and



social conditions. Economics discusses the inventions and forms which human energies have put forth to subordinate and utilize the forces of nature in order that they may serve the needs, comforts and luxuries of society. Special attention is given to financial systems.

V. ECONOMICS.—Selected subjects. Text-books: Hadley's Economics; Hobson's Evolution of Modern Capitalism; Carroll's Principles and Practice of Finance, and other standard works. Seminary, lectures. *Three hours, throughout the year.* Instructor Knoles.

VI. SOCIAL SCIENCE.—Selected subjects in practical social science. Text-books, lectures, investigations. *One hour, throughout the year.* Instructor Knoles.

## Philosophy

PROFESSOR HOOSE.

I. PSYCHOLOGY.—The aim in this subject is to acquaint the student with what is valuable in the investigations in Mental Science. Text-books, lectures, and original investigations. Prerequisite for Courses III, IV, V, VI and VII. *Three hours, throughout the year.*

II. LOGIC.—The elements in this subject are given in Jevon's Logic, with practical exercises. *Two hours, first semester.*

III. ETHICS.—A study of ethical principles from the ordinary philosophic standpoints. Elective. *Two hours, first semester.*

IV. THEISM.—A study of the subject as given in Flint or Browne. Elective. *Two hours, second semester.*

V. HISTORY OF PHILOSOPHY.—Weber's History of Philosophy, covering the ancient Greek Philosophy. Prerequisite for Course VII. *Two hours, first semester.*

VI. HISTORY OF PHILOSOPHY.—Modern Philosophy, with readings from the more important philosophers. Prerequisite for Course VII. *Two hours, second semester.*

VII. METAPHYSICS.—Lectures, readings and dissertations. Elective. Prerequisite, Course I. *Two hours, second semester.*

VIII. CHRISTIAN EVIDENCES.—A critical study of the foundations of Christianity. Butler, Fisher and Wright. *Two hours, first semester.*



## LATIN

PROFESSOR SCHULZ.

I. (a) CICERO.—De Senectute. Practice in reading aloud with proper phrasing and emphasis without translation, and in translation at hearing.

(b) TERENCE.—Andria. Early forms, constructions, and meters. *Three hours, first semester.*

II. HORACE.—Style and subject matter. Metrical reading. Study of the Augustan Age. *Three hours, second semester.*

III. LATIN PROSE COMPOSITION.—After a complete review of syntax, Pliny's letters are read and the composition based upon them. Work formation and synonyms are studied. Attention is given to sentence structure and to style.

IV. LATIN COMEDY.—Terence: Phormio: Plautus: Trinummus, Rudens, Captivi. Study of Roman life. *Three hours, second semester.*

V. LIVY.—Books XXI and XXII. History and Literature of the period of Foreign Conquest. *Three hours, first semester.*

VI. CICERO'S LETTERS.—The history of the Republic from B. C. 133, with special reference to contemporaneous events. Required reading of Forsyth's Life of Cicero. *Three hours, first semester.*

VII. TACITUS.—Annals and Histories. The History of the Early Empire. Required reading in Gibbon's Decline and Fall of the Roman Empire. *Three hours, second semester.*

VIII. ADVANCED LATIN PROSE COMPOSITION.—Cicero's Second Philippic is read and the composition based upon it. Writing of essays and letters in Latin. Translation of passages from English writers. The style of Cicero, Livy and Tacitus studied and compared. *Two hours, both semesters.*

IX. HISTORY OF LATIN LITERATURES.—Cruttwell's History of Roman Literature, with the interpretation of selections from all prominent writers. *Two hours, both semesters.*

X. ROMAN PHILOSOPHY.—Cicero: Selections from the philosophical works. Lucretius: Selections from the De Rerum Natura. Survey of Roman philosophy. *Three hours, second semester.*

XI. LATIN ELEGIAC POETRY.—Catullus, Ovid, Propertius, Tibullus: Selections. *Three hours, second semester.*

MAJOR WORK: Courses I-XI.

In 1904-5 Courses IV and V will be given for Freshmen and Sophomores; Courses IX, X and XI for Juniors and Seniors.

## MATHEMATICS AND ASTRONOMY

PROFESSOR MINEAR.

I. ALGEBRA.—Surds and complex quantities, ratio, proportion, variation, the progressions and other simple series, inequalities, theory of quadratic equations, simultaneous quadratics and higher equations, the binomial theorem for any index, permutations and combinations, determinants, theory of equations. *Two hours, throughout the year.*

II. SOLID AND SPHERICAL GEOMETRY.—The fundamental propositions of the Euclidean geometry of space. *Three hours, first semester.*

III. TRIGONOMETRY.—Plane trigonometry and its applications, the trigonometry of the Right Spherical Triangle, and Logarithms. *Three hours, second semester.*

IV. PLANE ANALYTICAL GEOMETRY.—The analytic geometry of the straight line, the circle, and the conic sections, including a discussion of the general equation of the second degree, and some special examples in higher loci. *Three hours, first semester.*

V. SURVEYING.—Land surveying, leveling, topographical work, laying out roads and streets, railroad curves, together with a study of the more important Federal Land Laws which direct the surveyor. Laboratory fee, one dollar. Hours to be arranged.

VI. DIFFERENTIAL CALCULUS.—Development of the fundamental principles and formulæ, applications to various problems in geometry and analysis. *Three hours, second semester.*

VII. DIFFERENTIAL AND INTEGRAL CALCULUS.—Advanced course. Prerequisites, Course VI. *Three hours, throughout the year.*

VIII. ELEMENTARY MECHANICS.—

(a) Statics. Composition and resolution of forces, moments of force, friction. *Three hours, first semester.*

(b) Dynamics. Velocity, acceleration, laws of motion, work, projectiles. *Three hours, second semester.* May be elected after Course III.

IX. DESCRIPTIVE ASTRONOMY.—A general course, requiring only the mathematics of Courses I-II. Elective for Juniors and Seniors. *Two hours, throughout the year.*

## PHYSICS

PROFESSORS SHEPHERD AND STABLER.

In laboratory courses a fee of four dollars per semester will be charged.

I. GENERAL PHYSICS.—Mechanics, heat and sound. One lecture or recitation and six hours in the laboratory per week. Daniells' Text-book of the Principles of Physics, and Sabine's Laboratory Manual. Prerequisite, Mathematics IIb. *Three hours, first semester.*

II. GENERAL PHYSICS.—A continuation of Course I, including light, magnetism and electricity. *Three hours, second semester.*

III. ELECTRICITY AND MAGNETISM.—Lectures and recitations. Thompson's Elementary Lessons in Electricity and Magnetism, Thompson's Dynamo Electric Machinery. Prerequisite, Physics I and II, and Mathematics III and IV. *Three hours, first semester.*

IV. ELECTRICAL MEASUREMENTS.—A laboratory course, with a study of general methods of testing and using electrical machinery. *Three hours, second semester.*

## SPANISH

PROFESSOR WHITSON.

I. ELEMENTARY SPANISH.—Garner's Spanish Grammar. Readings, Matzke's and Knapp's; Valera's Pepita Jimenez. *Three hours, throughout the year.*

II. SPANISH READING, WRITING AND CONVERSATION.—Galdos' Doña Perfecta; Alarcon's El Capitan Veneno; Electra, by B. Pérez Galdos. *Three hours, throughout the year.*

III. HISTORY OF SPANISH LITERATURE.—D. Antonio Gil de Zarate. Illustrative reading. *Two hours, throughout the year.*

IV. ADVANCED PROSE COMPOSITION.—Ramsey and Lewis, Progressive Exercises in Spanish Prose Composition. *One hour, throughout the year.*

## GENERAL INFORMATION

The College of Liberal Arts of the University of Southern California is situated in Los Angeles, about three and one-half miles southwest from the business section of the city. The College buildings are accessible by three lines of street cars, the Main Street, L. A. Consolidated, and L. A. Traction lines. This is one of the most beautiful and rapidly growing residence portions of Los Angeles. The campus, comprising ten acres, has been improved by cement sidewalks and street grading on all sides, and a lawn in front of the main building. There are separate buildings for the College of Liberal Arts, the College of Music, and the Preparatory School. The College of Liberal Arts building is lighted by electricity. The University Methodist Episcopal Church, Rev. E. A. Healy, Pastor, is located near the campus, and is one of the most prosperous churches in the city. The Baptists and Presbyterians also have churches in the near vicinity. These advantages, together with fine public school privileges, make the University section of the city a very desirable place of residence for families seeking educational opportunities.

### Religious Culture

The moral atmosphere surrounding the student is exceptionally good. The Young Men's Christian Association and the Young Women's Christian Association are active and effective in social and religious life.

The students maintain a regular prayer service in the College Chapel, and also a daily noon-day prayer meeting. These, with the regular chapel service, constitute a good Christian atmosphere in which to lay the foundation of character. Students are expected to attend some church each Sabbath, and are advised to join some Sunday class for the study of the Bible.

The University provides, during the College year, a free course of weekly lectures dealing largely with biblical subjects. The lectures given during the year ending May 6th were as follows:

REV. FLETCHER B. CHERRINGTON, D. D.

*How Should Educated Men and Women Regard the Bible?*

REV. W. P. FERGUSON, D. D.

(1) *The Enduring Elements of the Bible.*

(2) *The Book of Job.*

(3) *Sir Edwin Arnold.*

- REV. C. C. WILLETT, D. D.  
*Dining With a Hypocrite.*
- REV. THOS. O'HANLIN, D. D.  
*Immutability of the Bible.*
- REV. ERWIN S. CHAPMAN, D. D.  
*The Stones Crying Out.*
- REV. EZRA A. HEALY, A. M.  
*The Bible a Masterpiece of Literature.*
- REV. ROBT. MCINTYRE, D. D.  
*The Bible Lands.*
- REV. HARRY W. WHITE, A. M.  
*The Preparation of the World for Christ's First Coming.*
- RICHARD BOONE, Ph. D.  
*Jesus as a Teacher.*
- REV. T. H. WOODWARD, Ph. D.  
*Sunless Days of Creation.*
- REV. WILLIAMS, D. D.  
*Concrete Manhood.*
- REV. ALEX. HARDIE, A. M.  
*The Christian Sabbath.*
- REV. WESLEY K. BEANS, D. D.  
*The Bible Immutable.*
- REV. B. C. CORY, A. M.  
*The Songs of the Bible.*
- REV. S. J. CARROLL, D. D.  
*Have We the Bible of the Prophets and Apostles?*
- PROF. S. H. CLARE, A. M.  
*English Literature, the Value of True Interpretation.*
- FRANCIS MURPHY.  
*Christian Courage.*
- REV. F. M. MOODY, A. M.  
*The Goal of Bible Study.*
- PROF. LEE EMERSON BASSETT, A. M.  
*Selected Readings From Shakespeare.*
- REV. ROBT. J. BURDETTE.  
*Diligent in His Own Business.*
- REV. EGERTON R. YOUNG, D. D.  
*Personal Experiences Among the Red Men of the North.*
- PROF. EDWARD B. WARMAN.  
*Value of Physical Training.*

### Literary Societies

The Aristotelian Literary Society is the oldest of the societies connected with the College. It is a society for young men and has a large and well furnished hall in which to hold its meetings. It is in a flourishing condition and has many influential alumni.

The Athena society is for young women. It has a finely furnished hall, and is an enterprising association.

### Library and Reading Room

The Library room is large and well lighted, carpeted, and furnished with shelving sufficient to hold about eight thousand volumes, with tables and chairs for the convenience of the readers. The Library is supplied with a well selected list of books. Many of the best periodicals are kept on the reading tables.

### The Museum

An extensive collection of specimens in mineralogy and geology has been accumulated during the past years, by donations and purchase. Professor John Dickinson, the first curator, opened the museum and classified it, making many donations from his own excellent private collection.

A few years ago the trustees purchased from Dr. Stephen Bowers a large collection of geological, mineralogical, and archæological subjects.

The Rev. C. R. Pattee, D. D., has donated about five hundred species of West Coast shells. The same gentleman has loaned to the museum, for the use of the college, a valuable geological, paleontological, mineralogical and conchological collection.

### Athletics and Physical Culture

The Faculty of the College of Liberal Arts, recognizing that physical culture is both hygienic and educative, desires to encourage every reasonable effort in the direction of physical development consistent with strong manhood and womanhood. On its hygienic side it should aid the body in all its functions, develop a symmetrical form, correct deformity as far as possible, and afford recreation. In its educative function it should afford the discipline necessary for self-control, both mental and moral.

Tennis courts, ball grounds, a training track, and an athletic room with baths and lockers for young men, are provided.

### The Gymnasium and Department of Physical Education

The architect's plans for a new gymnasium, to be erected during the summer vacation of 1904, have been accepted by the Board of Trustees. The building will afford ample accommoda-



tions for training in the gymnasium of both the young men and young women, who will have separate lockers and baths and use the building at different periods of the day. It will be completed in time for the opening of the fall semester, Sept. 13, 1904.

A complete equipment will be provided for each form of exercise. Galleries will afford audience room for special gymnastic exercises when such are open to the public.

The Department of Physical Education and Athletics will be directed by Professor Harvey R. Holmes, Ph. B., who will devote his entire time to this work.

The College of Oratory will also offer special courses in physical culture for the young women. This work will be given in the gymnasium under the direction of the Dean of the College of Oratory, Miss Beulah Wright.

A credit of one hour will be given for systematic prescribed exercises in the gymnasium three days a week during the semester.

### The Physical Laboratory

The physical laboratory is arranged to accommodate forty students at one time. There is a good collection of apparatus of the best make for lecture demonstration. It includes a new stereopticon with special apparatus and slides for projection; equipment for electrical study, volt-meters, ammeters, resistance coils, galvanometers, reading telescopes, induction coils, Crook's tubes, etc.; spectroscopes, polariscopes, lenses, etc., for the study of light; thermometers, barometers, and registering apparatus for meteorology; air pumps, condensers, and receivers for gases; as well as apparatus for the composition and resolution of forces.

### The Chemical Laboratories

The laboratories for the department of Chemistry occupy four rooms in the basement of the main building. They are thoroughly equipped with tables, water, gas, apparatus and chemicals. Ample facilities are offered for work in qualitative and quantitative analysis in organic chemistry, and for research. The laboratories possess several fine analytical balances, sets of special apparatus for determining molecular weights, for gas analysis after Hempel, and for nitrogen determination by combustion. Good facilities are also afforded for work on electro-chemistry, fertilizers, dairy



products, soils, and the application of chemistry to the metallurgical processes. Prospective medical students will find facilities for analysis of air, food, water, poisons, etc. The assay laboratory contains muffle and combustion furnaces, balances, ore crushers, and special apparatus for studying the cyanide, chlorination, and electrolytic reduction processes.

### **The Biological Laboratories**

The main biological laboratory is located on the second floor in a large and well lighted room facing north. In it are twenty heavy redwood tables, each with two large drawers, in which the student may keep his apparatus securely locked. Each table is provided with compound and dissecting microscopes, a set of dissecting instruments, reagent case and reagents, glassware, slides and covers, etc., while the general laboratory is supplied with microtomes, water baths, aquaria, sinks, hatching cases, glassware, and the necessary chemicals for advanced work in biological research. There are also several thousand microscopic slides, illustrating the different subjects in Biology.

During the past year substantial additions have been made to the equipment of the biological laboratories. Six additional microscopes have been purchased and a complete solar and electrical projection apparatus have been installed.

The Bacteriological laboratory is fitted with microscopes, steam and dry air sterilizers, incubators, culture dishes, and the necessary glassware for thorough work. Cultures of all the principal organisms are kept in the laboratory for study.

The Museum, containing a collection of invertebrates and vertebrates, both dry and in alcohol, fossils and shells, the herbarium and the Bowers and Pattee collections of minerals, adjoin the general laboratory and opens into it for convenient use.

## **SCHOLARSHIPS**

### **THE HUGH JOHNSTON SCHOLARSHIP.**

This scholarship was founded by Mrs. Anna H. Johnston, of Pasadena, in memory of her deceased husband, and is for the benefit of needy students. Mrs. Johnston will name the incumbent when she desires. Otherwise this will be done by the authorities of the University.

## THE SPENCE SCHOLARSHIP.

This scholarship was founded by the Hon. E. F. Spence in his life time, and is devoted to the use of needy students in the San Diego district, upon recommendation of the Presiding Elder of that district.

Others contemplate the establishment of prizes and scholarships, and it is earnestly hoped that soon a goodly number can be offered. Friends of the school can greatly add to its attractiveness in this way.

## PRIZES

## THE LOTTIE LANE PRIZE.

This prize, established by Mrs. Charlotte A. Thompson as a memorial to a deceased daughter, is an elaborate gold medal, to be presented each year at commencement time to that member of the graduating class who shall have maintained the highest general average in scholarship throughout the whole college course. Students who have taken more than four academic years to complete the course, or those who have received credit for work done elsewhere than in this College, are not eligible for this prize. This medal was awarded in 1902 to Miss Frances Cora Fraleigh Thomson.

## THE ORATORICAL PRIZE.

The Oratorical Association gives an annaul prize of ten dollars for the best oration delivered in contest by an undergraduate. This prize was awarded in 1902 to Mr. W. R. Guiberson.

## GIFTS TO THE UNIVERSITY

THE HOUGH FUND. This is a fund of \$65,000 given by Rev. Asahel M. Hough, deceased, and his wife, Anna G. Hough, of Los Angeles. It is to be held by the University in perpetuity, and the income is to be used for current expenses of the College of Liberal Arts, or as the Board of Trustees may annually direct.

THE HAZZARD PROFESSORSHIP. Rev. A. C. Hazzard has given to the University property valued at \$30,000 for the endowment of a professorship in English Bible.

THE MERRYMAN PROFESSORSHIP. Mr. T. D. Merryman has given to the University property valued at \$25,000 for the endowment of a professorship in Mathematics.

# The College of Medicine

CALENDAR, 1904-05

October 10-12—Entrance Examinations are conducted.

October 13, Thursday—Regular term begins at 9 a. m. at the College Building.

December 23, Friday evening—Christmas vacation begins.

January 2, Monday—Lectures resumed.

May 15, Monday—Examinations for the degree of Medicine begin, and continue until June 1.

June 1—Undergraduate Examinations begin.

June 15, Thursday, 8 p. m.—Commencement Exercises.

On all legal holidays of the State of California the schedule is suspended.

## GENERAL STATEMENT

The College of Medicine of the University of Southern California is now entering upon its twentieth year of work. Aiming to do only thorough work, it adopted from the first a three years' graded course of instruction. In 1896 this was increased to four years.

## LOCATION

The Faculty of this College believe that they are justified in calling the attention of Eastern students who are not robust to the peculiarly healthful and delightful climate of Los Angeles.

Many students on the Atlantic seaboard and in the Mississippi Valley find the rigorous winters interfering materially with their ability to study. They also take the risk of having

chronic pulmonary troubles fastened upon them. To such we say that the Los Angeles winter is really an ideal summer; and instead of the snow, sleet and ice many of us experienced in New York, Philadelphia and Chicago, we have here in Los Angeles, throughout the winter, sunshine, flowers and oranges. We believe living in Los Angeles is cheaper than in any other American city, and the only special extra outlay the student would incur would be the car fare. Round-trip excursion tickets can be purchased that are good for nine months.

Los Angeles is a progressive town, with a population of more than one hundred and fifty thousand. It is the greatest railroad center on the Pacific Coast, and has within a few miles, three seaports—San Pedro, Redondo and Santa Monica. Besides the Medical College, Los Angeles has all the educational and social advantages belonging to a place of its size. There is an excellent public library, and numerous churches, colleges and private schools.

## THE COLLEGE BUILDING

The College Building is located at 737 Buena Vista street, between Ord and Alpine streets. It is on the Daly street division, and only a short distance from the Downey avenue division of the Los Angeles Electric Railway, and near the Pasadena and Santa Monica electric lines, making it accessible from all parts of the city and outlying towns. It is a three-story and basement building with a two-story wing, in which is an amphitheater with seating capacity for 300. This building was erected in 1895, and is well lighted, heated and ventilated.

The lower floor is devoted largely to the College Dispensary, and has numerous rooms arranged for medical, surgical, gynecological, eye, ear, nose and throat clinics. The chemical and toxicological laboratories, with lecture and study rooms, occupy the second floor, while the anatomical laboratory and lecture rooms are in the third story. In the basement, a refrigerating room has recently been installed, affording ample room for anatomical material. There is also a room equipped with bicycle stands for the use of the students.

## The Hendryx Laboratory

The Hendryx Laboratory was built by Dr. W. A. Hendryx

as a memorial to his wife, Lucy Sheppard Hendryx, and was presented to the College January 6th, 1899. It is a two-story building, standing about fifty feet north of the College building and farther from the street, thus avoiding the dust and noise of the street. It was planned by Prof. Black, and is unexcelled anywhere in its lighting and convenience. It is well equipped for undergraduate work and original investigation in histology, pathology, bacteriology and physiology, and has in connection with it an excellent house for the care of the animals used in experimental work.

## STATEMENT OF INSTRUCTION

During the first two years of the course most of the instruction is given by recitation and in the laboratories. In the third year, recitations and laboratory work are continued, with didactic lectures, but most of the work requiring attendance in the laboratory and recitation room is finished at the close of this year, while the senior year is devoted largely to clinical work and experimental work in the laboratory. The senior and junior classes are divided into two sections; these sections, in rotation, act as assistants to the various clinics, so that during the term each member of each section has been able to act as assistant in the Gynecological, Surgical, Rectal, Eye, Ear, Nose and Throat, Children, Skin and Genito-Urinary Medical and Neurological clinics.

## ANATOMY

PROF. MURPHY.

DR. KIRKPATRICK.

The work in this department consists of six recitations of one hour each per week for the first year, and four recitations per week for the second year. The recitations and quizzes are supplemented by the demonstration of each topic on the cadaver before the class. In addition to this, the dissection of six parts (that is, both lateral halves of the body), is required of each student. These dissections are conducted under the direction of the assistant demonstrators of anatomy. The supply of material is always abundant. Each student, while dissecting, is expected to be in the Anatomical Laboratory, between 3 and 6

p. m. on five days of the week. The demonstrator and his assistants will be present to assist him at that time.

Regional Anatomy is taught by Professor Murphy in a course of lectures extending through the first half of the third year, and is illustrated by actual dissections on the cadaver, charts and manikins.

## PHYSIOLOGY

PROF. WITHERBEE.

PROF. COLLIVER.

Physiology is taught by the combined lecture, demonstrative and laboratory method. During the first year the following subjects are treated: Blood, circulation, respiration, secretion, digestion, excretion and metabolism. Introductory lectures are taken up from a biological and comparative point of view, illustrated with diagrams, drawings and collaborated with biological and histological laboratory work. Once established in the fundamental principles of physiology an endeavor is made to especially emphasize those points which have a practical bearing upon the practice of medicine. The course is further supplemented by daily quizzes, weekly twenty-minute written exercises upon subjects assigned at the time, and written examinations upon the completion of each subdivision of this course.

In the second year Prof. Witherbee lectures three hours per week upon the subjects of muscular and nervous phenomena, as well as upon the special senses and the phenomena of reproduction.

Laboratory course in Physiology is under the direction of Prof. Colliver and assistants. Each student is required to perform, under the supervision of an instructor, all of the experiments outlined in the syllabus. These experiments are intended to include only the most important fundamental physiological facts considered in the lectures. When individual work is impossible the class is subdivided into small sections of twos and fours. Each experiment must be written up and handed in together with graphic tracings, diagrams, bibliography, etc. A practical examination is conducted in this course at the end of the term.

Laboratory work in Physiological Chemistry is taken up during last half of second semester, special attention being paid to digestion and excretion.



The new Physiological Laboratory apartments are located on the third floor of the main college building. They consist of a large, well-lighted class room, furnished with a number of tables and modern laboratory improvements; an amphitheater for demonstrating most important physiological principles; a room for apparatus and assistants' preparation or investigation laboratory. This department is also fortunate in having an excellent laboratory equipment.

The large sum of money so generously donated to the department by Mrs. Jane Mansil of Hartford, Conn., has been expended in the purchase of the most modern physiological apparatus, etc. This, together with the supply previously possessed, and that subsequently donated by Dr. Milbank Johnson, formerly professor of physiology, makes the physiological equipment equal to that of any medical college in the West.

## SURGERY

PROF. LASHER. PROF. JOS. KURTZ. PROF. WILLS. PROF. MURPHY.

Prof. Lasher delivers two lectures and conducts one recitation a week to the third and fourth year students. Prof. Joseph Kurtz delivers one lecture a week on Operative and Orthopedic Surgery to the third and fourth year students. Prof. Wills delivers two lectures and demonstrations in minor surgery and bandaging during the first quarter of the second year. Prof. Murphy delivers two lectures a week during the third year on Surgical Pathology during second semester. This work is supplemented by six clinics at the College Dispensary and three clinics at the County Hospital per week.

## MEDICINE

PROF. UTLEY. PROF. WING. PROF. COLE. PROF. BARBER. PROF. BARLOW. DR. HAGADORN. DR. HUTCHINSON.

Prof. Utley conducts two lectures and recitations per week for the fourth year students. Dr. Hagadorn three recitations per week for the third year students. Prof. Barlow gives two clinical lectures a week on Physical Diagnosis, with practical demonstrations on subjects, during the second semester for the sophomore year. For the junior year Prof. Barlow will give practical demonstrations one hour a week at the bedside in the hospital, to the class in sections. This is supplemented by



six medical clinics per week at the College Dispensary for third and fourth year students. Also by two clinics per week by Prof. Wing, Prof. Barber, one by Prof. Cole, and one by Prof. Barlow, at the County Hospital. The clinics at the County Hospital are mostly given in the ward at the bedside of the patient.

## MATERIA MEDICA AND THERAPEUTICS

PROF. KING.

DR. QUINT.

DR. GODIN.

Prof. King gives two lectures per week to the third year students in Therapeutics. Prof. Quint devotes two hours a week to lectures and recitations on Materia Medica to the second year students, and Dr. Godin two hours a week of lectures and recitations to the first year students. Much of the time in the second year is devoted to the physiological action of drugs. In addition to this, each student serves daily for four weeks compounding and dispensing prescriptions, under the supervision of Fred C. McKinnie, Pharmacist in the College Dispensary.

## CHEMISTRY

PROF. STABLER.

First Year.—The course extends through the year, and consists of one lecture, demonstration or recitation, and two laboratory exercises of two hours each per week. The first two-thirds of the year is devoted to general and inorganic chemistry. A careful study is made of the laws governing chemical action and the properties of the common elements and their compounds. In the laboratory, practical instruction is given in qualitative and volumetric analysis. Organic Chemistry is studied the last part of the year. Special attention is given to the preparation and properties of typical compounds, attention being directed to changes which come under the heading of general reactions.

Second Year.—The work of this year is devoted to Organic and Physiological Chemistry. The course extends through the year, and consists of lectures and laboratory work two days of two hours each per week. The subjects studied are: Carbohydrates, the proteids, the chemistry of digestion, bile, blood, milk,

lymph, stomach contents, and urine. Special attention is given to the study of the urine. Each student examines a large number of specimens chemically and microscopically, so as to become familiar with this secretion in normal and pathological condition. It is the purpose to provide the graduates with a knowledge which will best meet the demands of general practice.

## TOXICOLOGY

PROF. BULLARD.

Toxicology and Clinical Chemistry are taught by Prof. Bullard. The course includes lectures and practical laboratory work in Toxicology, urine analysis and chemical examination of the blood and contents of the stomach. This course will comprise one hour in the lecture room and two hours in the laboratory throughout the third year.

## HYGIENE AND STATE MEDICINE

PROF. ORME.

The prevention of disease and the preservation of health are now recognized as an important branch of medical education. This department is under the charge of a gentleman specially qualified by long study and experience.

## OBSTETRICS

PROF. MOORE. DR. LAZARD. DR. COFFEY.

Two hours a week of lectures and recitations are given the third year students, and one hour a week to manipulations on the manikin and cadaver before the fourth year students. This course is supplemented by arrangements whereby each member of the senior class is enabled to take charge of cases under the direction of some member of the Faculty to act as assistant to the physician having in charge the obstetrical ward of the County Hospital, and also the obstetrical cases in one of the rescue homes, so that each student in the senior class personally attends several cases before graduating.

## OPHTHALMOLOGY

PROF. ELLIS. DR. KIEFER. DR. BULLARD.

Ophthalmology is taught by Prof. Ellis by means of lectures,

recitations and clinical instruction. Each student of the senior class is taught the use of the ophthalmoscope and must be able to draw the fundus of a given eye before he may pass in this branch. Prof. Ellis will conduct two clinics a week at the College Dispensary, and a surgical clinic at the County Hospital, where the senior students will act as assistants and in turn keep record of the cases. The large amount of clinical matter in attendance at this clinic enables the Professor to give a thorough and practical course.

One hour per week of recitations is given the third year students for one-half year.

## EAR, NOSE AND THROAT

PROF. BABCOCK.

DR. HASTINGS.

The third year students have one recitation a week for one-half year and the fourth year students are given two lectures and clinics per week at the College. Prof. Babcock also permits members of the fourth year class to assist him at numerous private operations.

## DISEASES OF CHILDREN

PROF. FOLLANSBEE.

Prof. Follansbee gives one recitation or lecture per week throughout the third year. This is supplemented by two clinics per week at the College Dispensary.

## GYNECOLOGY

PROF. CARL KURTZ.

PROF. W. W. BECKETT.

Prof. Kurtz during the first half of the year delivers at the College one lecture per week to the senior class. During the second semester professor Beckett delivers one lecture to the same class at the College. This is supplemented by two clinics per week at the College, conducted by Prof. Carl Kurtz and Prof. Beckett. During the first semester Prof. Beckett gives one clinic each week at the County Hospital, and during the second semester Prof. Kurtz does the same. The senior students have also the opportunity of attending a large number of operations at various private hospitals in the city with which different members of the faculty are connected.

## DISEASES OF THE SKIN AND GENITO-URINARY ORGANS

PROF. MAC GOWAN.      PROF. WILLIAMS.

In this College the branches of Genito-Urinary Surgery, Syphilis, and Diseases of the Skin are taught by the same Chair, and these clinics are united. No regular method of didactic lectures is followed, but the teaching is eminently practical, and consists of careful instruction in diagnosis and treatment upon living examples of the diseases used as a theme for the day's clinical demonstration. Clinics are held on Tuesdays and Saturdays at the College Dispensary, from 1 to 3 p. m., and at the County Hospital on Wednesday and Saturday mornings. During the year there is plenty of material for showing to the students all of the operations in Genito-Urinary Surgery. The class is instructed in the use of the cystoscope and the endoscope; these instruments being used whenever an indication therefor exists.

## NEUROLOGY

PROF. BRAINERD.      PROF. MURPHY.      DR. ROSS MOORE.

Prof. Murphy gives one hour per week the first half of the year to the fourth year students on the Minute Anatomy of the Nervous System. This is illustrated by demonstrations, charts and microscopic specimens. Prof. Brainerd gives one lecture per week throughout the year to the fourth year students, and conducts a clinic once a week at the County Hospital, and once a week at the College. The lectures for the first half of the year are upon insanity. The present method of caring for the insane at the County Hospital, prior to their examination for commitment to the State Hospital for the Insane, enables the students to see during the year at the hospital clinics in nearly every form of insanity. Dr. Ross Moore conducts a quiz of one hour every two weeks.

## MEDICAL JURISPRUDENCE

PROF. CONREY.

Prof. Conrey lectures one hour per week during the last half of the senior year, giving fully the legal aspect of medical expert testimony, and the rights and duties of physicians in their relations to patients.

## HISTOLOGY

PROF. BLACK.

DR. E. L. LEONARD.

Six hours laboratory work and one hour recitation are devoted to this subject during the entire eight months. During laboratory work, recitations and general demonstration, by means of the most recent Leitz projection microscope are given. After a preliminary course on the general use of the microscope the student studies those fibers, etc., which, as foreign substances, so frequently confuse the beginner, as silk, cotton, wool and moth scales, etc. Then the individual cells are studied in teased specimens until all the types of cells are understood. Then sections of all the normal organs are given the student. Drawings and written descriptions of these sections are required. Each student is also assigned various organs which he must remove from the animal and fix, harden, embed, and section.

The laboratory is fully equipped with Bausch and Lomb, Leitz microscopes, dissecting microscopes and freezing, Thomas and Schanze model microtomes.

## PATHOLOGY

PROF. BLACK.

DR. E. L. LEONARD.

The laboratory work occupies four hours per week during the Sophomore and two hours per week during the Junior year.

During the Sophomore year the students are given sections illustrating the process of acute and chronic inflammation, the infectious granulomata and the degenerations and benign and malignant tumors.

Drawings and full written descriptions of these sections are required.

In the Junior year the sections of uterine scrapings and those illustrating repairs of wounds are given out and a large number of unknown sections are given for the purpose of requiring the student to make his own diagnosis.

Each section must be fully described and a drawing made.

## BACTERIOLOGY

PROF. BLACK.

DR. E. L. LEONARD.

This subject is taught by practical laboratory work, embracing two hours a day for three days a week during two months.

First the principal non-pathogenic organisms and finally the principal pathogenic bacteria are studied by cultural, staining and clinical methods. The laboratory is fully equipped with microscopes, incubators, sterilizers (hot air, steam, auto-clave), etc.

In the Hendryx Laboratory is situated the Hendryx Medical Library, the nucleus of which was donated by Dr. W. A. Hendryx. There are at present about two thousand bound volumes on the shelves, consisting mainly of complete files of the leading medical journals of America.

## ELECTRO-THERAPEUTICS

DR. A. SOILAND.

Dr. Soiland gives twelve lectures during the term on Electro-Therapeutics, with practical demonstrations at his office of the various apparatus used.

## DENTAL HYGIENE

DR. GARRETT NEWKIRK.

Dr. Newkirk, Dean of the Dental College, U. S. C., gives to the Senior class a course of lectures on the Hygiene of the mouth and teeth.

## CLINICAL FACILITIES

On four mornings of the week the County Hospital is open to students for clinical instruction. As there are nearly two hundred beds in this institution and nearly twelve hundred patients are admitted annually, it affords excellent opportunities for instruction. In addition to the cases in the general hospital, the new law of the state is such that all insane patients are kept under observation at the County Hospital for twenty-four hours or more prior to their examination for commitment to the State Hospital for the Insane. There are also a number of well conducted private hospitals throughout the city, with all of which various members of the faculty are officially connected; and, though not open to instruction of the students as a whole, they afford facilities to all the senior students at various times to witness a great variety of surgical operations and many interesting medical cases.

A well organized dispensary at the College Building, with



10,000 patients a year, furnishes abundant material for daily clinics, in which the advanced students are required to do a large amount of the work in the examining and prescribing for patients, under the direction of the medical instructors. Arrangements have also been made with the Associated Charities whereby such cases coming within their jurisdiction as need medical attendance are placed in the care of the senior students, under the supervision of the clinical staff of the Dispensary.

## COURSE OF STUDY

### *First Year.*

MATERIA MEDICA.—Two hours of lectures and recitations per week. Practical work in Dispensary, twelve hours for four weeks.

ANATOMY.—Six hours recitations with demonstration on cadaver each week. Dissections of at least one lateral half of body.

PHYSIOLOGY.—Three hours of recitations and four hours of laboratory work per week.

CHEMISTRY.—One hour recitation and four hours of laboratory work per week.

HISTOLOGY.—One hour recitation and six hours of laboratory work per week.

FINAL EXAMINATIONS at end of year on Histology, Embryology, Osteology, Syndesmology, Myology, and in Physiology on the Blood, Circulation, Digestion, Secretion and Excretion, Animal Heat.

### *Second Year.*

MATERIA MEDICA.—Two hours lectures and recitations per week,

ANATOMY.—Four hours recitations and demonstration on cadaver per week. Dissections, one lateral half of body.

SURGICAL ANATOMY.—Two hours lectures and recitations per week, first half year.

PHYSIOLOGY.—Two hours recitations and two hours laboratory per week.

CHEMISTRY.—One hour lecture or recitation and four hours laboratory per week.

PATHOLOGY.—Two hours recitation and lectures per week, and eight hours laboratory work per week.



PHYSICAL DIAGNOSIS.—Two hours recitations per week for half year, and two hours practical work in College clinic the last half year.

HYGIENE.—One hour lecture per week for half year.

CLINICAL MEDICINE.—Two hours recitation per week throughout year.

FINAL EXAMINATIONS at end of year in Materia Medica, Anatomy (descriptive), Physiology, Chemistry, Pathology, Hygiene, Physical Diagnosis, Respiration.

*Third Year.*

SURGERY.—Three hours lectures, one hour recitation, and two hours clinics at County Hospital per week.

Six hours clinics at College Dispensary per week.

MEDICINE.—Three recitations per week.

Six hours clinics at College Dispensary.

OBSTETRICS.—Two recitations per week.

THERAPEUTICS.—Two hours lectures and recitations per week.

GYNECOLOGY.—One hour recitation per week.

PAEDIATRICS.—One hour lecture and recitation per week.

TOXICOLOGY, URINALYSIS, AND CLINICAL CHEMISTRY.—One hour lecture and two hours laboratory per week.

DERMATOLOGY AND VENEREAL.—One hour clinic per week.

BACTERIOLOGY.—Twelve hours laboratory per week, for six weeks.

SURGICAL ANATOMY.—Two hours lectures and recitations per week for one-half year.

GROSS PATHOLOGY.—One hour per week, for one-half year.

PHYSICAL DIAGNOSIS AND PRACTICE.—One hour per week.

OPHTHALMOLOGY.—One hour recitation per week, for one-half year.

OTOLOGY, LARYNGOLOGY, ETC.—One hour recitations per week, for one-half year.

SURGICAL PATHOLOGY.—Two hours per week.

FINAL EXAMINATIONS at end of third year in Therapeutics, Pædiatrics, Toxicology, etc., Bacteriology, Surgical Anatomy, Gross Pathology and Obstetrics.

*Fourth Year.*

SURGERY.—Two hours lectures, one hour recitation.

Two hours clinics at County Hospital.

Orthopedrics, one hour lecture per week.

MEDICINE.—Two hours lectures and one hour recitations.

Three hours clinics and bed-side instructions at County Hospital.

OBSTETRICS.—One hour demonstrations on manikin and on cadaver per week.

GYNECOLOGY.—One hour clinic at County Hospital.

Two hours clinics at College Dispensary per week.

NEUROLOGY.—One hour lecture, one hour clinic and bed-side instruction at County Hospital.

One hour clinic at College Dispensary per week.

One hour lecture and recitations on minute Anatomy per week, for twelve weeks.

DERMATOLOGY, VENEREAL AND GENITO-URINARY.—One hour clinic at County Hospital, and one hour clinic at College Dispensary per week.

OPHTHALMOLOGY.—Two hours clinic per week at College Dispensary.

OTOLOGY, LARYNGOLOGY, ETC.—Two hours clinic at College Dispensary, per week.

ELECTRO-THERAPEUTICS.—One hour a week.

FINAL EXAMINATIONS at the end of the year in Surgery, Medicine, Gynecology, Neurology, Dermatology, Genito-Urinary, Ophthalmology, Otology, Laryngology.

## REQUIREMENTS FOR ADMISSION

All students must register each year with the Secretary.

To the First Year Class:

Students will be required to pass an examination, unless graduates of some University, College, High School, Academy or Normal School, or present certificates as having done work in such institutions as covers the ground hereinafter mentioned. The examination will consist, first, of English, in which a composition of not less than 200 words must be written by the student at the time of the examination; this will be marked on construction, punctuation, orthography, and chirography. Second, in arithmetic, such ground as is covered by the Common School Arithmetic. In Algebra, through quadruple equations. In Physics, on principles of mechanics, hydrostatics, hydraulics, optics and acoustics. In Latin, one year's work is required in

Preparatory Schools. A medical student's certificate issued by any State Examining Board covering the work of the foregoing entrance examination will be accepted, and any student having the A. B., B. S., or equivalent degree from a reputable literary college. Graduates and students of Homeopathic or Eclectic Medicine, as many years as they attended those colleges, provided they have met the previous requirements, and that they pass an examination in materia medica and therapeutics, may be admitted, subject, however, to the further approval of the Executive Committee. Applicants who fail in one or more of these branches will be required to make up the deficiency before beginning the second year's work in this College. To the Second Year Class:

Any student who has attended one or more courses in an accredited Medical College, and any student having the A. B., B. S. or equivalent degree from a reputable Literary College, graduates and students of Homeopathic, or Eclectic Medicine, as many years as they attended those colleges, provided they have met the previous requirements and that they pass an examination in materia medica and therapeutics, may be permitted to enter the second year; subject, however, to the further approval of the Dean and Faculty of this School.

To the Third Year Class:

Any student who has attended two terms in this or any other accredited Medical College, whose course of study is equally advanced, may, on presentation of proper credentials, enter the third year class.

To the Fourth Year Class.

Same as above, only adding one year's attendance.

## REQUIREMENTS FOR GRADUATION

*First*—The candidate for the degree of *Medicinae Doctor* must have attained the age of twenty-one years, and be of good moral character.

*Second*—He must have studied medicine for four full years, must have attended four courses of medical lectures (no two of them occurring in the same calendar year), the last of which must have been in this College.

*Third*—He must have passed the required examinations on

lectures, recitations, laboratory and clinical work, must have dissected the entire cadaver, and have fulfilled the required periods.

*Fourth—He must have paid all the College fees.*

*Fifth—The foregoing are essential. But in addition to these is the final test vote of the Faculty as to the general fitness of the candidate for the degree; the Faculty reserving the right to reject in any or all cases upon this ground, apart from and in addition to all other tests and requirements.*

*The Faculty will maintain the right to suspend or expel a student at any time for conduct unbecoming a gentleman.*

### Fees

#### First Year—

Matriculation .....	\$ 5.00
Demonstration Fee .....	10.00
Lectures .....	130.00

Second Year Lectures ..... 130.00

Third Year Lectures ..... 130.00

Fourth Year Diploma Fee ..... 40.00

Total tuition for the four years ..... \$445.00

The Diploma Fee must be paid by January 1st, but will be returned if the candidate fails.

All fees must be paid at the beginning of the term.

Students admitted to any advanced course in consideration of work done elsewhere, must pay Matriculation, Demonstration and Lecture Fees.

Room and board may be procured for four dollars a week and upwards.

Address all communications as to matriculation and qualifications to Walter Lindley, M. D., Dean, 315 West 5th street.

Any further information may be had by application in person, or by writing to

FRED C. MCKINNIE,  
Clerk of the Faculty,  
737 Buena Vista Street,  
Los Angeles, Cal.

Or to

W. D. BABCOCK, A. M., M. D., Secretary,  
916, 917, 918, Braly Bldg, Los Angeles, Cal.

# The College of Music

## GENERAL STATEMENT

The College of Music offers extensive courses in nearly all departments of musical instruction, and is designed to fit students for the profession as composers, theorists, artists, and teachers. It also provides for the study of music as a part of general culture or as an accomplishment.

It occupies a large building on the University campus, on the first floor of which are the Dean's office, the reading-room and library, and the piano, vocal and harmony class rooms. On the second floor are practice rooms, with ample equipment. The fortnightly pupils' recitals are held in the College assembly room, which contains a \$2000 pipe organ, blown by an electric motor.

The courses of study are very thorough and complete, and the faculty includes some of the ablest and most widely known teachers in the Southwest.

## Educational Plan

The educational system of the School is divided into three general departments; the Preparatory, the Normal and the Collegiate.

The Preparatory department is open to all persons above seven years of age, with or without any previous knowledge of music. It is intended to prepare for the Normal, and also to meet the wants of those who have not the time or the inclination to enter upon an extended course, but who desire the best possible instruction during the time they may devote to this study.

The Normal department is designed for students preparing for the profession as teachers, and for amateurs desirous of obtaining a thorough training in the art and science of music.

The Collegiate department is open to those who have taken the Normal course or its equivalent, and is designed to take up the more advanced work of the artist and virtuoso.

### Recitals

A feature of the greatest value to the students is the fortnightly pupils' recitals, at which the pupils are expected to play or sing before the whole school, as their teachers may direct. In this way nervousness in public appearance, the bane of so many performers, is soon overcome. Pupils thus have the opportunity to hear and become familiar with the music of the other departments of the School. In connection with these recitals there are brief talks by members of the Faculty and others, on musical and allied topics. Public recitals are also given by the Faculty and advanced pupils. Music students are given free admission to all public exercises of the School and to the classes in sight singing.

### Chorus Work

The Ladies' Chorus of the University and the College Glee Club for young men furnish opportunity for the best of chorus drill under Prof. Walker. The Glee Club has gained a splendid reputation by its work all over Southern California during the past two seasons.

### The Pipe Organ

Special attention is given to the study of the organ. Besides the chapel organ, the large organ in the University (Simpson) Auditorium is now a part of the equipment of the organ department and available for practice only to our students. Both these organs are blown by electric motor and the charge for rental is no more than blower's fees would be in an organ blown by hand.

### Diplomas

The diplomas of the University are given at the completion of the Normal and Collegiate courses.

The requirements for graduation in any department are the completion of the prescribed course in that department, at least one year's work in which must be done in this School; the completion of the Normal course of three terms in harmony and one



term in theory; and the public performance during the Senior year of an entire program, under the direction of the department teacher.

### Business Regulations

Students entering after the opening of the term will register for the remaining portion, and will be charged pro rata. The work of the term begins on the date advertised, and students who enter late will find themselves behind their classes.

No allowance will be made for absence from classes, such as harmony, for less than a half term.

No deduction will be made for temporary absence from lessons. Lessons missed will be made up to pupils if notice of the intended absence is given at the previous lesson.

A discount of fifteen per cent. is allowed to the children of Methodist ministers.

### Tuition Fees

A Term or Semester consists of nineteen weeks. Fees are payable to the Dean only, monthly in advance.

Voice, two lessons per week (of 30 minutes each) . . . \$47.50

Voice, one lesson per week (of 30 minutes each) . . . . . 28.50

Piano, Mr. Skeelee, two lessons per week (45 minutes) . 76.00

Piano, Mr. Skeelee, one lesson per week (45 minutes) .. 38.00

Piano, Miss Morris, two lessons per week (45 minutes) 38.00

Piano, Miss Morris, one lesson per week (45 minutes) 19.00

Pipe Organ, two lessons per week (45 minutes) . . . . . 76.00

Pipe Organ, one lesson per week (45 minutes) . . . . . 38.00

Violin, two lessons per week (30 minutes) . . . . . 57.00

Violin, one lesson per week (30 minutes) . . . . . 28.50

Harmony and Theory, private lessons, one per week . . 28.50

Harmony and Theory, class lessons, two per week . . . 12.50

Rental of Pipe Organ, one hour each day, including

blowing, per term . . . . . 17.10

Rental of Pipe Organ, two hours each day, per term . . 28.50

Rental of Piano, one hour each day, per term . . . . . 4.00

For further information address

W. F. SKEELE,

841 W. 37th St., Los Angeles.





# College of Oratory

BEULAH WRIGHT,

*Dean and Professor of Oratory and Dramatic Art*

(Graduate Cumnock School of Oratory, Northwestern University,  
and School of Oratory, Baker University.)

NELYE M. DICKSON,

*Professor of Expression and Physical Training.*

(Graduate Cumnock School of Oratory, Northwestern University,  
and School of Expression, Upper Iowa University.)

The system used in the College of Oratory is based upon the Cumnock Method, founded by Robert McLean Cumnock D. D., Director of the School of Oratory, Northwestern University, Evanston, Illinois.

The purpose of a true School of Expression should be to develop character and to prepare one to live. Our aims are therefore:

First—Upbuilding the inner man;

Second—Preparing the body to express the inner man;

Third—Developing the individual.

It is absolutely essential that one should learn to express himself from the heart out. The result is a genuineness of character, a naturalness and simplicity, together with personal power.

A great deal of attention is paid to the Department of Public Speaking. Ministers, theological students, or any who may have occasion to address audiences, will find this work of great value.

## COURSES OF STUDY

COURSE I. Fundamental principles of expression, English phonation, enunciation, interpretation of selections from Cumnock's Choice Readings.

COURSE II. Voice building, breathing, tone placing, bodily expression, interpretation of selections from Cumnock's Choice Readings.

COURSE III. Interpretative work from modern writers: Kipling, Barrie, Maclaren, Riley, Field, Dunbar and others.

COURSE IV. Oratory. Sears' History of Oratory and Modern Eloquence.

COURSE V. Bible and hymn reading. Curry's Vocal and Literary Interpretation of the Bible.

COURSE VI. Debate and Extemporaneous Speaking.

COURSE VII. Shakespeare: Julius Cæsar, Macbeth, or Hamlet; As You Like It, or Two Gentlemen of Verona.

COURSE VIII. Repertoire, abridgement of books and classics for public presentation, arrangement of programs, impersonation. (Advanced students only.)

### Certificate Course

The required work in this course consists of: Two years of private work, two lessons per week; Courses I, II and III, and three of the remaining five courses to be elected; two years of Physical Training; Freshman and Sophomore English and Rhetoric; Mediæval History. It is possible for a student to complete this course in two years.

### Diploma Course

The work required in this course consists of: Three years of private work, two lessons per week; the eight courses; one year advanced Physical Training in addition to the two years required Gymnasium work; college work sufficient to enroll a student as a Junior in the College of Liberal Arts.

### RECITALS

Pupils' recitals are given every two weeks, on Tuesday at 4 p. m., in the Aristotelian Literary Hall. The participation in these recitals by students is required that the student may have practice and receive confidence in appearing before audiences. All students enrolled in the school are expected to be present at each recital. Admission to friends is by card.

Faculty recitals are given each semester by the instructors in the school, or by artists from the outside.

## PHYSICAL TRAINING

"Is not that the best education which gives to the mind and to the body all the force, all the beauty and all the perfection of which they are capable?"—*Plato.*

All Oratory students are required to take the regular gymnasium work prescribed for all college students, or such as the Dean of Oratory shall suggest, and under the supervision of the Physical Director.

## TUITION

Private Instruction per Semester.

(Fees are payable to the Dean in Advance.)

Two lessons per week (45 minutes) .....	\$50.00
One lesson per week (45 minutes) .....	25.00
A course of ten lessons (45 minutes) .....	15.00
Single lessons .....	\$1.75 to 2.00

Class instruction, per semester

Two periods per week (50 minutes).....	\$10.00
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A fee of \$4.00 will be charged all Oratory students doing gymnasium work with the College classes.

A diploma fee of \$5.00 will be charged.

A reduction on private instruction will be made to all ministers.

College students who take Elocution and Oratory in the College of Oratory may receive eight semester-hours credit in the College of Liberal Arts.



# College of Dentistry

## INFORMATION

The eighth annual session of the College of Dentistry will begin on Tuesday evening, October 4th, 1904, in the upper Lecture room, corner of Spring and Temple streets.

This College offers many attractions to the prospective dental student. Its course of instruction is complete, its facilities excellent.

The Laboratories for Prosthetic and Technic work are particularly convenient and well furnished. There is a growing and well arranged Library and Museum, where object lessons in Anatomy, general, dental and comparative, are continually presented to the student.

Moreover, this College affords all the advantages incident to a school of moderate numbers. Each student is known by his teachers with the distinct benefit of personal acquaintance and instruction.

It will be noted that eight of the Professors and Instructors bear the degree of M. D. The schedule of studies is well nigh equivalent to that of a Medical College. Courses in Anatomy, Histology, Bacteriology and Chemistry are taken by our dental students at the College of Medicine of the University, which is located near. They have here the full use of one of the most complete histological laboratories in the United States, known as the Hendryx Biological Laboratory.

There are two features of this College which will certainly appeal to every student contemplating a course in Dentistry.

First, the unusual popularity of our Infirmary and the unusual number of patients who apply for services. There has

been no student the past year who has not been supplied with all the practice work in any line he or she desired. It is one of the few infirmaries in this country where more patients than can be cared for apply for services.

Second, the advantages offered in porcelain work. We have all the equipment and material necessary to perfect a student in this important branch.

## THE CURRICULUM

This College is a member of the National Association of Dental Faculties, and will conform to all the rules and regulations thereof. The graded course beginning with matriculants of 1903 is made to cover four years of seven months each.\*

The school is co-educational. Several of our students are young women of excellent education and ability.

\*NOTE—The four-year course has not proven entirely satisfactory, and a convention of the National Association of Dental Faculties has been called to meet early in June to consider the advisability of returning to three years. Announcement of the result of this meeting will be given out later.

## SCHEDULE OF STUDIES

### FIRST YEAR.

CHEMISTRY.	<i>a</i> —General Inorganic.
	<i>b</i> —Qualitative.
	<i>c</i> —Metallurgy.
ANATOMY.	<i>a</i> —Osteology.
	<i>b</i> —General Description.
	<i>c</i> —Dissection.
TECHNICS.	<i>a</i> —Prosthetic Technics.
	<i>b</i> —Modeling, Carving and Drawing.

### SECOND YEAR.

CHEMISTRY.	Organic Compounds.
ANATOMY.	<i>a</i> —Embryology.
	<i>b</i> —Histology, lectures and laboratory.
	<i>c</i> —Comparative Dental.



PHYSIOLOGY.	<i>a</i> —Lectures and optional laboratory course in General Physiology. <i>b</i> —Physiological Chemistry (optional); lectures and laboratory.
BACTERIOLOGY.	<i>a</i> —Lectures. <i>b</i> —Laboratory
TECHNICS.	<i>a</i> —Crown and Bridge Work. <i>b</i> —Operative Technics.

THIRD YEAR.

OPERATIVE	<i>a</i> —Lectures.
DENTISTRY.	<i>b</i> —Clinic.
PROSTHETIC	<i>a</i> —Lectures.
DENTISTRY.	<i>b</i> —Clinic
DENTAL	<i>a</i> —Materia Medica.
MEDICINE.	<i>b</i> —Pathology. <i>c</i> —Therapeutics.
ORTHODONTIA.	<i>a</i> —Lectures. <i>b</i> —Clinic.

FOURTH YEAR.

	<i>a</i> —Advanced work in Laboratory and Clinical Research.
OPERATIVE	<i>b</i> —Therapeutic Researches.
DENTISTRY.	<i>a</i> —Cleft Palate Work.
PROSTHETIC	<i>b</i> —Porcelain, Inlay, Crown, Bridge and Plate Work.
DENTISTRY.	<i>c</i> —Orthodontia Clinics and Research.
ORAL SURGERY.	<i>a</i> —Physical Diagnosis. <i>b</i> —Pathology. <i>c</i> —Anaesthetics. <i>d</i> —Principles of Practice. <i>e</i> —Therapeutics.
PHYSICS.	<i>a</i> —Lecture course in General Physics. <i>b</i> —Laboratory course of Applied Physics. <i>c</i> —Electro Therapeutics.
	<i>a</i> —History and Literature.
PRINCIPLES	<i>b</i> —Ethical Principles and Jurisprudence.
OF PRACTICE.	<i>c</i> —Business Forms.

## DEPARTMENTS OF INSTRUCTION

### ANATOMY

PROF. MURPHY.

DR. KIRKPATRICK.

The College is fortunate in having for its instructor in this branch one who has taught Anatomy most successfully for many years in the Medical School. Professor Murphy gives a special course to dental students in which emphasis is placed upon the anatomy of the head, face and viscera. In addition, each student is required to dissect one lateral half of the body.

### PHYSIOLOGY

PROF. PALLETTE.

DR. MYERS.

The course in Physiology is given during the second year. The work consists in a systematic course of lectures, recitations and demonstrations.

The subjects of Cells and Tissues, Blood and the Circulatory System, are first taken up, and later on the course is devoted to the study of the Alimentary Canal, Excretory Organs, Nervous System, Organs of Special Sense, and Organs of Reproduction.

Text Books: Kirk's Handbook, Foster, Stewart.

### COMPARATIVE AND DENTAL ANATOMY

PROF. BEBB.

DR. REED.

This course covers a complete study of the human teeth as outlined in Dr. Black's Dental Anatomy; also a comparison of the teeth and surrounding tissues of man with the lower orders of animal life. This is made more interesting and instructive to the student because of the collection of specimens which our museum affords, and a complete series of lantern slides for illustrating the lectures.

Text Books: Black, Thompson's Comparative.

### HISTOLOGY

PROF. BLACK.

PROF. LEONARD.

1. General Histology is taught first by a recitation course, one hour a week for seven months from the text book.

2. Practical laboratory work four hours a week for seven months. Isolated Cells, obtained by scrapings, teasing, etc., are

first studied. Following this, sections of each organ of the body are studied. Class demonstrations by means of the projection microscope are given by one of the professors. Individual demonstrations are also given each student at the microscope.

3. Fourteen drawings in colors of selected sections are required.

## BACTERIOLOGY

PROF. BLACK.

PROF. LEONARD.

A course in Bacteriology is given to the Senior students, covering a period of two months, during which time many of the principal Pathogenic and non-Pathogenic Organisms are studied. Cultures are made by the students from carious teeth, abscesses, etc. The infirmary and the different organisms obtained are plated and cultivated.

The bacteriological laboratory is well equipped with all the modern apparatus and appliances.

## DENTAL HISTOLOGY

PROF. ATWATER.

There will be lectures and practical laboratory work four hours a week for seven months during the second year. The development of the tooth from the primitive dental groove to the adult tooth will be studied and demonstrated.

Six drawings in color of selected specimens, as seen in the microscope, are required.

## GENERAL PATHOLOGY

PROF. BLACK.

PROF. LEONARD.

This course comprises two hours a week—lectures and recitations—and four hours laboratory work—In the laboratory, sections are given the class illustrating the various degenerations, inflammations and benign and malignant tumors.

General class demonstrations, by means of the projection microscope, are given by the Professor. In addition, individual instruction is given each student at the microscope. Written descriptions of each section, and ten drawings in colors, are required.

## DENTAL PATHOLOGY AND THERAPEUTICS

PROF. SMITH.

The instruction in this branch will consist of two lectures each week to Junior and Senior students embracing a study of all pathological conditions of interest to the dental practitioner, together with a general application of the therapeutic agents indicated in the treatment of such conditions.

## CHEMISTRY

PROF. STABLER.

First year.—The course extends through the year, and consists of one lecture and two laboratory periods of two hours each per week. The first part of the year is devoted to Inorganic Chemistry. Careful study is made of the laws governing chemical action, and the properties of the elements and their compounds. Careful attention is given to the chemistry of the metals and all materials used in dentistry; also, to the chemistry of anesthetics. In the laboratory practical instruction is given in qualitative and volumetric analysis. The student analyzes some of the common amalgams and alloys. Organic chemistry is studied the last part of the year. Special attention is given to typical reactions and compounds of importance to the dental student.

Second year.—The course in Organic and Physiological Chemistry extend through the first semester, and consists of lectures and laboratory work of two hours each per week. Special attention is given to the chemistry of the mouth, stomach and intestinal tube.

## OPERATIVE DENTISTRY

PROF. NEWKIRK.

DR. HARPER.

Instruction in this department will be under the supervision of the Dean, who will give lectures to third year students, illustrated by the best models and diagrams obtainable.

The Junior course in Operative Dentistry will follow a natural line beyond that given on Technics in the Freshman year, and if qualified at the beginning of the second semester students may begin operations suited to their abilities in the infirmary.

## PROSTHODONTIA AND CERAMIC ART

PROF. FORD.

DR. GRAY.

This department, being both Operative and Prosthetic, and occupying the important field in Dentistry that it does, this College has deemed it wise to make this department separate from the other two branches.

Students will receive a complete course in Crown technique, as well as lectures during their Sophomore year.

JUNIORS will receive a complete course in Bridge technique during the first semester, and will do practical work in the Infirmary during balance of year.

Lectures fully covering these subjects will be given during the year.

SENIORS will perform practical work in the Infirmary. A complete technical course will be given in Porcelain work, including the construction of Porcelain Crowns and Bridges; also the construction of Porcelain Inlays by the burnishing and swedging methods.

This course will be given during the entire year. A special technique room is provided for this work. This department is especially well equipped with large drawings of all descriptions, illustrating these branches. The clinical facilities are excellent, demanding Gold Crowns and Bridges, as well as Porcelain Crowns, Bridges and Porcelain and Gold Inlays.

## SURGERY

PROF. LOCKWOOD.

Prof. Lockwood will give a course of lectures on General and Oral Surgery.

Practical cases in Oral Surgery will be operated on in our new surgical amphitheater.

## METALLURGY

PROF. STABLER.

The course consists of lectures and practical laboratory work one hour each week during the second semester. A careful study is made of the history, structure and properties of the materials used by the dentist. Each student will be required to

conduct experiments in the laboratory in melting, refining and alloying, as well as to make experiments in new alloys and compounds. Special attention is given to the analysis and compounding of amalgam alloys.

## PROSTHETIC DENTISTRY

PROF. CRONKHITE.

This branch of the work will be under the charge of Prof. Cronkhite, who will demonstrate on practical cases in the infirmary, and have supervision over all practical work in this department.

## GENERAL THERAPEUTICS

DR. KING.

This important course, adapted to both medical and dental students, will be given by Professor Cole from October to January.

## OPERATIVE TECHNICS

PROF. BEBB.

In this branch of the work the student begins his training for the practical operative work. Tooth dissection, printing, carving and cavity preparation are taught.

NOTE.—As extracted teeth are essential in this work and difficult for the College to obtain, students are requested to bring a supply with them.

## ORTHODONTIA

DR. ROBINSON.

DR. WEAVERLING.

The subject of Orthodontia is covered in a very complete manner. During the Junior year the student is given a general outline of the work illustrated by lantern slides, and is required to take plaster impressions and make models of cases. He is also taught to solder and make appliances.

During the Senior year the course consists of a series of lectures, illustrated by lantern slides, and actual work in the infirmary. The lectures cover the entire field of orthodontia, beginning with normal occlusion and running through the different classes of mal-occlusion, showing different methods of treating each class, special attention being given to the causes and

treatment. Each Senior student is required to correct one or more cases of mal-occlusion during his Senior year.

## GENERAL AND DENTAL MATERIA MEDICA

PROF. M. EVANGELINE JORDAN.

Prof. Jordan will give a course of lectures, one each week, to the Junior class upon this subject, and in addition a number of lectures on the Special Care and Management of Children's Teeth.

## PROFESSIONAL ETHICS AND LITERATURE

DR. J. D. MOODY.

Dr. Moody, himself an exemplar of the subject, will deliver a course of lectures on this very important matter. The personal and ethical conduct of the student before and after his graduation have quite as much to do in determining his standing and success in the community as do his knowledge and technical skill.

Also, under direction of Dr. Moody, a Dental Society within the school, for literary improvement, the writing, criticism and discussion of papers along professional lines, has been organized and carried through with excellent results.

## THE INFIRMARY

Under the able superintendency of Dr. Kitchen, the work of the infirmary has increased until we have ample clinical opportunity.

## LIBRARY AND MUSEUM

A noteworthy feature of the institution is the George H. Cushing Library and Museum.

These under the able administration of the Secretary are growing rapidly.

The Museum contains many unusually fine specimens relating to Comparative Anatomy and Dental Pathology.

NOTE.—Any one having books, magazines, or anatomical specimens pertaining to dentistry which may be acquired by gift, exchange or purchase, will please correspond with the Secretary.



## RULES GOVERNING THE STANDING OF STUDENTS AND EXAMINATIONS

1. The grades will be made upon the scale of 100; the passing mark will be 75; attendance upon infirmary clinics, 90.
2. There shall be no re-examination of unsuccessful candidates for the degree of D. D. S. until the close of the ensuing session; and the said candidates will be required to attend the instruction during the subsequent session on the branch or branches in which they failed before they will be eligible for re-examination.

### Conditions of Admission

#### SPECIAL NOTICE TO STUDENTS.

Extract from Code of Rules of the National Association of Dental College Faculties:

"No college of this Association shall give credit for a full course to students admitted later than *ten* days after the opening day of the session, as published in the announcement."

In case one is prevented by sickness, properly certified to by a reputable practicing physician, from complying with the foregoing rule, the time of admission shall not be later than twenty days from the opening day.

"A candidate for matriculation, who presents a diploma from a reputable practicing physician, from complying with the foregoing qualification, shall be admitted without further examination."

"The minimum preliminary educational requirement of colleges of this Association shall be a certificate of entrance into the third year of a high school or its equivalent, the preliminary examination to be placed in the hands of the State Superintendent of Public Instruction."

Candidates for matriculation who have not completed the second year of a high school course, may apply to the deputy of the State Superintendent, at Los Angeles, Prof. Bert O. Kinney for examinations.

Students desiring to matriculate should bring and present to the Dean for his inspection any diplomas, literary or otherwise, which they have.

In accordance with the action of the National Association of Dental Faculties, students matriculating in 1903 and after will be required to attend four regular courses of lectures, of at least seven months each, in separate years, before they are eligible for graduation.

### Admission to Advanced Standing

Extracts from rules of the National Association:

That advanced standing in the classes of members of this Association shall not be given students except in the following instances:

First—Where a student shall have taken a full course in a school a member of this Association, or one especially recognized, and shall have successfully passed the required examinations.

Second—When the student shall present evidence of graduation from a reputable medical college, he may receive one year's advance standing.

Colleges of the Association "may receive into the Junior or Senior classes only such students as hold certificates of having passed a satisfactory examination in the studies of the Freshman or Junior years, respectively; this certificate is to be a pledge to any college to which they may apply that a previous year has been spent in the institution from whence they came."

### Requirements for Graduation, 1905

1. The candidate for the degree of Doctor of Dental Surgery shall be at least twenty-one years of age and of good moral character.

2. He shall have attended three full courses of lectures, of seven months each, at some recognized and accredited dental school. The last course shall have been attended at this college.

3. He must have passed satisfactory written examinations by the Faculty on the Lecture Curriculum, and earned a satisfactory rating as to attendance and practical work.

### Precepts and Fees

1. The matriculation fee must be paid to the Secretary before the name of a student will be recorded.

2. The Board of Directors may, in their discretion, give a rebate, should a student be compelled to discontinue his studies, or allow the application of a part of the fees to the succeeding year.

3. The infirmary of the College will be kept open during the entire year. Students who are already matriculated may be admitted to the summer practical course without the payment of extra fees.

4. The Faculty reserves the right to terminate the connection of any student with the institution at any time on the ground of what it may deem mental or moral unfitness for the profession, disorderly conduct, or failure to comply with the rules of the College.

5. The Faculty claim the right to terminate the College career of any student convicted of practicing dentistry illegally while under its jurisdiction.

Schedule of Fees

(Subject to revision if a three-year course prevails.)

FRESHMAN YEAR.

Matriculation fee (paid but once).....	\$ 5.00
Lecture ticket .....	\$110.00
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	\$115.00

SOPHOMORE YEAR.

Lecture ticket .....	\$115.00
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JUNIOR YEAR.

Lecture ticket .....	\$115.00
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SENIOR YEAR.

Lecture ticket .....	\$100.00
Final examination fee (not returnable).....	25.00
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	\$125.00

For further information address  
GARRETT NEWKIRK, M. D., Dean,  
203 South Broadway.  
or WM. BEBB, D. D. S., Secretary,  
Temple Block.

# The College of Law

1904-1905

The Law School of the University of Southern California is now under the immediate supervision and control of the Board of Trustees of the University. It will no longer be conducted as an affiliated institution.

Rooms for the accommodation of the Law School have been procured in the Rindge Building, on the corner of Broadway and Third Streets, in the City of Los Angeles. This location is convenient to the State and Federal Courts and the State Supreme Court, which meets in Los Angeles twice each year. Suitable appropriation has been made by the University Board to meet all expenses of rooms and provide necessary library and furnishings.

## OBJECTS OF THE COLLEGE

The purpose of this school is to impart a sound and thorough legal education and to qualify students for admission to practice before the Supreme Court of this or any other State. Provision will be made for special lectures during the year upon subjects not here named, and not really required in a course of legal study, but yet of much value to those desiring a well-rounded knowledge of the law.

All students entering the Law School are entitled to four hours' instruction in the College of Liberal Arts without additional cost.

## THE COURSE

The course of study has been a two-year one, but commencing with the class entering in September, 1904, it will consist of three years' work, and will be practically the same as that prescribed by the Law Department of the University of California. By special study the course may be completed in two years. The degree of LL. B. will be conferred by the University of Southern California on all graduates of this Department.

The method of instruction will be a combination of the lecture, text book and case systems, with practical experience in briefing and pleading.

A Moot Court and Debating Club will be conducted. The Moot Court will be presided over by members of the Faculty or other lawyers of experience, and will be arranged so far as possible so as to give practical experience in court work.

All of the Faculty, both instructors and lecturers, are lawyers in active practice and stand high at the California bar.

Persons who are not studying for a degree may enter the College of Law at any time as special students and may pursue such studies as they desire. This provision is made especially for the aid of those seeking positions of trust in banks and other business institutions.

## THE LIBRARY

Students of the Law School have the privilege of using the Los Angeles County Law Library upon the same terms as members of the Los Angeles bar. The library at present consists of more than 7000 volumes and includes all of the Federal and State reports, and many Irish, English and Canadian, and a large assortment of text books. Through the courtesy of the Board of Trustees of the Public Library, students have special facilities for the use of books at the City Library.

## • REQUIREMENTS FOR ADMISSION

Persons who desire to enter the Law School must satisfy the Faculty that they have a knowledge of English and History

equivalent to the English and History taught in High Schools. An entrance fee of \$10 will be required upon registering, and the fee of \$30 per semester, or \$50 if paid annually in advance, at the beginning of the college year.

A summer school will be conducted during the summer months.

## COURSES OF INSTRUCTION

The course of study will include instruction on the following subjects:

ADMIRALTY LAW.—Lectures by Clark R. Mahan, Esq.

ADVOCACY.—Lectures by Earl Rogers, Esq.

COMMERCIAL PAPER.—*Norton on Bills*. W. C. Petchner, Esq.

CONTRACTS.—Agency Bailments; Sales. *Clark on Contracts*; *Hale on Bailments*, and selected cases. W. P. James, Esq.

CONSTITUTIONAL LAW.—Lectures by Judge Cheney.

CORPORATIONS.—*Clark on Corporations*; reference, *Brobeck and Sims Corporation Laws of California*. Mattison B. Jones, Esq.

CRIMINAL LAW.—*Clark on Criminal Law*; selected cases and lectures. Frank R. Willis, Esq.

DOMESTIC RELATIONS.—*Schouler or Tiffany on Domestic Relations*. Sam L. Baker, Esq.

ELEMENTARY LAW.—*Robinson Elementary Law* and *Blackstone*. G. W. Craig, Esq.

EQUITY.—*Keener's Cases*. E. W. Camp, Esq.

EVIDENCE.—*Jones on Evidence*. Frank M. Porter, Esq.

INSURANCE LAW.—Lectures by Wilbur S. Tupper, Esq.

JUSTICE'S COURT PRACTICE.—Lectures by W. P. James, Esq.

MEDICAL JURISPRUDENCE.—Lectures by LeComp Davis, Esq.

MINES.—Lectures and selected cases. Will A. Harris, Esq.

NEGLIGENCE.—Lectures and selected cases. Will A. Harris, Esq.

PATENTS.—Lectures by James R. Townsend, Esq.

PLEADINGS.—*Stephens' Common Law*; *Lubes' Equity Pleading*, and *Gould on Pleading*. Judge John D. Works.

PROBATE LAW.—Lectures by Judge Curtis D. Wilbur.

STATUTORY INTERPRETATION.—Lectures by T. W. Robinson, Esq.

TORTS.—*Webb's Pollock on Torts*, and selected cases. G. W. Craig, Esq.

REAL PROPERTY.—*Tiedeman on Real Property*. Wm. M. Hiatt, Esq.

WATER RIGHTS.—Lectures and *Black's Pomeroy-Waters and Water Rights*. Hon. E. W. Britt.

WILLS.—*Schouler or Gardner on Wills*. Judge Curtis D. Wilbur.

Address all communications—

UNIVERSITY OF SOUTHERN CALIFORNIA  
LAW SCHOOL.

Rindge Building, Los Angeles, Cal.

FRANK M. PORTER, *Dean*.

GARVIN W. CRAIG, *Secretary*.



# The College of Fine Arts

THE COLLEGE BUILDING is surrounded by spacious and beautiful grounds on the cliff overlooking the famous Arroyo Seco, where the outdoor classes find ample material for sketching, in pool and running stream, magnificent mountain and foothill scenery, groves of superb old live oaks and sycamores.

CLASSES FOR MEN AND WOMEN in Drawing, Clay Modelling, Composition, Painting in Oil, Water Color or Pastel, Illustrating for books and newspapers.

A FULL TEACHERS' COURSE includes Mechanical Drawing, Projection, Perspective, Free-hand Drawing, Painting in Water Color and Oil, Art History, Classic and Sacred History, Anatomy.

THE COURSE IN DRAWING AND PAINTING covers three full years' work and entitles the student to a diploma on passing the required examination and payment of matriculation fee.

DIPLOMAS and other honors are conferred by the University of Southern California.

SPECIAL BRANCHES may be taken separately from the course and certificates of proficiency will be granted by the College of Fine Arts on passing the required examinations.

CREDITS will be allowed for work done in other schools or colleges where satisfactory proficiency is shown.

**GOLD MEDAL.** At the close of the school year a gold medal will be awarded to the student having made the best record for the year.

**SCHOLARSHIP.** To the full course graduate making the best year's record, a scholarship of one year's post-graduate work will be awarded.

A year's scholarship at the Art Students' League, New York, is also open to competition for students of this school.

A **SUMMER SCHOOL** will be maintained during the vacation months with classes in outdoor sketching, life, portrait and still life.

The Los Angeles and Pasadena electric cars pass the door.

Rooms, with or without board, may be obtained in the neighborhood at very moderate rates.

## ADMISSION OF STUDENTS

**REQUIREMENTS FOR ADMISSION.** No examination is required for entering the primary classes in any branch.

For the advanced class an example of work must be submitted, showing the student's fitness.

Students may enter the school at any time during the school year.

**THE ART SCHOOL** at the College of Liberal Arts, University of Southern California, is continued as a branch of this College. The Course of study, faculty and fees are the same as at the College of Fine Arts.

**A POST GRADUATE COURSE.** Graduates from Normal and High Schools who desire to gain a further knowledge of the principles and practice of fine art will find this short course well adapted to their needs.

The course will cover one school year and will include Art History, the technique of picture making, Artistic Anatomy and practice in Oil, Water Color, Ink or Charcoal.

## CLASSES

LIFE CLASSES—On Monday, Wednesday and Saturday.

PORTRAIT CLASSES—From the draped model on Tuesday and Thursday.

OUTDOOR SKETCHING—On Friday morning.

JUVENILE CLASSES—Saturday morning.

MODELLING CLASSES—Tuesday and Thursday.

ANATOMY LECTURE—With demonstrations from skeleton and life, Wednesday afternoon.

ART HISTORY LECTURE—With blackboard and other illustrations, Monday afternoon.

## FEEES

6 Lessons per week .....	\$10.00 per month
3 Lessons per week .....	5.00 per month
2 Lessons per week .....	4.00 per month
1 Lesson per week .....	3.00 per month
Single Lessons, each .....	\$ 1.00
Full Collegiate Year .....	75.00
Per Semester .....	40.00
Private Lessons, each .....	2.00

## LECTURE COURSES FREE TO ENROLLED STUDENTS.

Artistic Anatomy .....\$10.00 per year

Art History ..... 10.00 per year

*The Matriculation Fee is Five Dollars.*

*All Fees Payable in Advance.*

W. L. JUDSON, *Dean.*

Garvanza Station, Los Angeles, Cal. Telephone Alta 1324.

September 15, 1904, to June 15, 1905.

THE PREPARATORY SCHOOL

# CALENDAR

1904-05

1904.

September 12-13, Monday and Tuesday—Entrance Examinations and Registration.

September 14, Wednesday—First Semester begins.

November 24-25, Thursday and Friday—Thanksgiving recess.

December 23, Friday—Christmas vacation begins.

1905.

January 4, Wednesday—Exercises resumed.

January 19-24, Thursday and Tuesday—Mid-year examinations.

January 25, Wednesday—Second semester begins

February 22, Wednesday—Washington's Birthday.

April 15, Saturday—Easter vacation begins.

April 25, Tuesday—Exercises resumed.

May 30, Tuesday—Memorial Day, a holiday.

June 8-13—Final examinations.

June 11—Baccalaureate Sunday.

June 14, Wednesday—Graduating exercises.

## Requirements for Admission

Applicants must have finished work equivalent to that required in the graded schools for admission to the best high schools. They must show evidence of fitness to begin the work of the classes in the school.

While the work of this department is mainly that of preparing students directly for the College classes, yet without lessening our work in this direction, the authorities realize the importance of giving increased attention to the large number of young people who desire academic instruction, but do not wish to devote the necessary time and means to secure a collegiate education. For this large and worthy class, we purpose to provide sufficient facilities, so that in the limited time at their command they may acquire some preparation for their future work. Persons wishing to take a partial course, or to select their studies, can enter the preparatory school without a formal examination, and pursue such subjects as they may be prepared to take.

## Registration

The methods and regulations in registration are the same as those in the College (page 25).

## Reports

Reports of standing are sent to the parents or guardian of each student each semester. The Faculty desire the co-operation of parents in their efforts to maintain a high grade of scholarship and deportment.

## Graduation and Diplomas

The Preparatory School has a special evening set aside in commencement week for its commencement exercises.

All students who complete one of the regular courses of study will be granted a diploma.

## Literary Societies

The Webster Literary Society has been organized during the past year. It is a society composed of young men and young women, who meet each week for training in public speaking.



## Course of Study

The regular courses of study are three in number. Either is designed to prepare students to enter the College of Liberal Arts or institutions of similar standing. A student who has completed any one of these courses is admitted to the College without examination.

	A	B	C
FIRST YEAR	Algebra English Latin English History	Algebra English Latin English History	Algebra English * Latin or * Spanish English History
SECOND YEAR	Geometry Ancient History Latin Greek	Geometry Ancient History Latin English	Geometry Zoology or Botany English † Latin or † Spanish
THIRD YEAR	English Zoology or Botany Latin Greek	English Zoology or Botany Latin or Advanced Algebra German	English Chemistry German Advanced Algebra
FOURTH YEAR	American History Physics Latin Greek	American History Physics Latin or Solid Geometry German	American History Physics German Solid Geometry and Trigonometry

\* The language chosen here must be continued in the following year.

† The language chosen here must be a continuation of that studied in the previous year.

## ENGLISH

## 1ST ENGLISH. (1 unit.)

1. a. The Lady of the Lake.  
b. Alhambra.
2. Composition writing. (1 hour, throughout year).
3. Lockwood and Emerson. (1 hour, throughout year).

## 2ND ENGLISH. (1 unit.)

1. a. Snow-Bound.  
b. Cotter's Saturday Night.  
c. Deserted Village.  
d. Merchant of Venice.

e. Ancient Mariner.

2. Classic Myths. (1 hour, throughout year.)

3. Composition. (1 hour, throughout year.)

3RD ENGLISH. (1 unit.)

1. a. L'Allegro.

b. El Penseroso.

c. The Elegy.

d. The Bard.

e. The Rape of the Lock.

f. Julius Cæsar.

g. St. Agnes Eve.

h. The De Coverley Papers.

i. Macaulay's Essay on Dr. Johnson.

2. Composition. (1 hour, throughout year.)

3. Halleck's History of Literature. (1 hour, throughout year.)

4TH ENGLISH. (1 unit.)

1. Burke's Conciliation Speech.

Webster's Reply to Hayne.

Lycidas.

Two Books of Paradise Lost.

Chaucer's Prologue.

Tintern Abbey.

Ode on Intimations of Immortality.

Passing of Arthur.

2. Composition. (1 hour, throughout year.)

## GERMAN

### *First Year.*

Studies in pronunciation, reading translation, and conversation. Memorizing of poems. The shorter Eysenbach grammar is used, which enables the student to acquire a large working vocabulary, and gives good practice on the inflection of nouns, adjectives, etc.

### *Second Year.*

Very easy German is translated, and made the basis for conversation. The Grammar is completed and reviewed, particular attention being given to uses of the subjunctive and to the ir-

regular verbs. Two exercises a week from Wesselhoeff's German Composition, parts I and II. Translation of modern German stories. Critical study of Schiller's *Lied von der Glocke* with memorizing of parts of the poem. Near the close of the year another text is read through rapidly, with a view of increasing the vocabulary, and giving facility in sight translation.

## LATIN

### *First Year.*

With the completion of the first year's work the pupil has attained an exact knowledge of all regular forms of declension and conjugation and of the fundamental principles of syntax, a vocabulary of at least 800 common words and a correct pronunciation. From the first an effort is made to grasp the order of the Latin sentence, permitting no dissection into subject and predicate.

### *Second Year.*

Reading of selections from *Viri Romae*, *Nepos* and *Cæsar* (the equivalent of four books of *Cæsar*). Regular forms are reviewed and essential irregular forms learned in a systematic study of Latin grammar. Oral (daily) and written (weekly) composition based on the text read, and sight translation is a part of the year's work. Some attention is given to subject matter.

### *Third Year.*

In the reading and interpretation of six or seven of Cicero's orations the time is equally divided between language and subject matter. Those portions of the Grammar omitted in the second year are mastered. An attempt is made to gain some definite knowledge of Cicero and of his times, of the Roman government in Cicero's time, and of the city of Rome. Oral (daily) and written (weekly) composition based on the text, and sight translation is a part of the year's work.

### *Fourth Year.*

The first six books of Vergil's *Aeneid* are read and interpreted. A special effort is made to approach the work as *poetry*. Prose, figures of speech, mythological references, and poetical constructions are studied. Metrical reading is insisted upon. An

idea of the Aeneid as a whole is gained by the sight reading of portions of the last six books. The entire grammar is reviewed in weekly prose composition.

## GREEK

### *First Year.*

White's First Lesson is used throughout the year. The aim of the first year's work is thoroughly to acquaint the pupil with forms.

### *Second Year.*

During this year the first four books of Xenophon's Anabasis are translated and selections from the fifth book are read at sight. The work is made the basis of a thorough drill in grammar. Goodwin's Greek Grammar is used for reference.

### *Third Year.*

Books I-III of Homer's Iliad are read and translated. Special attention is given to the peculiarities of the Homeric forms, to the scansion of dactylic hexameter, and to the mythological references. Pearson's Greek Prose Composition is used throughout the year.

## HISTORY

The work in History is carried on by means of text-books, lectures, essays, and library work. Constant reference is made to the atlas and dictionary, maps are drawn, essays required, and the tonical method is used for special subjects. Full and carefully kept notebooks are required in all the subjects in this department.

## MATHEMATICS

The aim of the course in mathematics is to cultivate the habits of independent reasoning, of accuracy of work, of precision and clearness in the statement of conclusions and the reasons upon which they depend. First in importance is the intellectual training that makes the mind a ready and keen tool; second, the orderly acquisition of facts. Absolute thoroughness and work that increases in amount and difficulty with the student's increasing capacity, are required. *The student's efficiency is measured by his power to do.* Throughout the course written reviews and test examinations are frequent.

## Algebra

I. Fisher and Schwatt's Secondary Algebra, through Quadratic's five hours a week, for one year. The object of the study is not only to acquire a knowledge of the subjects required for admission to the leading universities, but to secure the mental discipline for its own sake, and such a drill as looks to the use of the algebraic method in future study.

II. Lecture and text-book course in Algebra, three hours a week throughout the year. In this course the lectures place special stress on the theory of algebra. This course presupposes Course I, and follows the course in Plane Geometry.

III. Higher Algebra, two hours a week, throughout the year. This course is given as an elective for students of marked mathematical ability, and is open only to those who have taken Course II.

## Geometry

I. Plane Geometry, five hours a week, throughout the year. Careful attention is given to constructions, clear and logical expression, and above all to the attainment of the power to do original work in geometry. The exercises of the text-book are supplemented by constant suggestions by the teacher for investigations.

II. Solid Geometry, three hours a week, during the first semester.

## Trigonometry

Plane Trigonometry, and the study and solution of the Right Spherical Triangle, three hours a week, during the second semester. This course also includes a brief study of Logarithms.

## SCIENCE

### Biology

Botany and Zoology, each given as a full course of eight hours per week, for one year. The work in each is a combination of laboratory study, lectures and recitations, with a careful notebook record of the work actually done by the student under

the direction of the teacher. The ground covered and the method employed are such as fully meet the requirements of any university to which the student might desire to go.

### Chemistry

The subject of Chemistry continues through an entire year, and includes all the general principles—theoretical and practical—of inorganic chemistry, such as given in Remsen and Randall's Chemical Experiments. Recitations and individual laboratory work occupy not less than seven hours per week. A special effort is made throughout to develop the scientific habit of thought and to lead the student to observe the chemical changes constantly taking place. In the laboratory each student is furnished with a desk and all necessary reagents and apparatus, and is required to keep a complete record of work done during the year.

A laboratory fee of seven dollars per semester, and an additional deposit of five dollars is required. The loss by damage or destruction of apparatus will be deducted from the deposit of five dollars, and the balance refunded at the close of the semester.

### Physics

The most modern treatment is given all the subjects usually studied in this course. The first semester is devoted chiefly to molar dynamics; the second to molecular and ether dynamics, with special emphasis placed upon electricity and some of its applications and recent developments. Recitations and practical work occupy less than seven hours each week throughout the year. The aim of the course is to acquaint the student with all the fundamental principles, both theoretical and practical. The method of individual and experimental study with carefully recorded results, is insisted upon.

A laboratory fee of four dollars per semester is charged.

### SPANISH

First year, five hours throughout the year. De Tornos' Grammar, Worman's First and Second Readers, Valera's *El Pajaro Verde*.

Second year, five hours first semester. De Tornos' Grammar,



Matzke's Spanish Readings. Five hours second semester. Garner's Spanish Grammar, Knapp's Spanish Readings, Valera's Pepita Jimenez.

## ROOMS AND BOARD

Students are required to submit to the Faculty a statement of the places where they desire to room and to board, and must secure their consent in each case.

A club, conducted under the authority of the school, offers table board at about \$2.50 per week for those who must practice economy.

## FEES AND TUITION

For full preparatory course, per semester.....	\$30.00
For one study, per semester.....	14.00
For two studies, per semester.....	21.00

Gymnasium fee and instruction in physical education included in the above.

For three studies full tuition will be charged.

For laboratory charges see page 30.

Students who are recommended by a quarterly conference as candidates for the ministry; young women who are recommended for the work of deaconess by a quarterly conference and by the Conference Board of Deaconesses; and the children of ministers in the regular work of any evangelical denomination, may have their tuition fees reduced to one-half the regular rate.

A discount of ten per cent. will be allowed when the tuition fees for the whole year are paid in advance; also when two or more students enter from the same family.

No rebate will be allowed for less than one-half a semester's enforced absence.

Other expenses incident to school life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the school for want of money.

For further information address

PRESIDENT GEORGE F. BOVARD,  
1204 W. 37th St., Los Angeles, Cal.



# The Commercial School

PROFESSOR STARKE.

The University maintains a fully organized commercial department, in which a full commercial course is provided for those who wish to prepare at once for business pursuits, and in which students of the Preparatory School and of the College of Liberal Arts, who desire to do so, will have an opportunity to get instruction in the commercial branches. Careful instruction in all the elements of a business education will be given, including full work in stenography and typewriting. A certificate of graduation will be given to those who complete the commercial course or the course in stenography and typewriting.

## COURSES OF INSTRUCTION

### Bookkeeping

Our method of teaching the science of accounts makes the subject interesting and comprehensive.

The student learns first to journalize the different kinds of business transactions, and gets the meaning of the terms *debit* and *credit*. He then begins writing regular sets of books from simple and carefully selected business transactions. He is led step by step from the simple to the more difficult work, until he has studied every variety of business transaction and mastered the principles of the subject. The transactions for these sets are carefully chosen, and are well adapted to the study of principles. The student also makes out statements, trial balances, and balance sheets when he closes the ledger accounts. He is now capable of taking up the most fascinating branch of the subject, which is

## Business Practice

The student now goes to the Exchange and secures his cash, and other resources with which to begin business. He takes the place of a principal, or of a bookkeeper for a firm, and begins a retail grocery business. He fills out notes, checks, drafts, makes deposits in the bank, writes receipts, makes out bills, statements, etc., and performs every variety of transaction, of which he keeps an accurate record in his books. When this set of books is finished he closes out this business, settles up, and enters the dry goods business, and so on, until he is thoroughly acquainted with the methods of keeping accounts by single and by double entry. Students do the office work by turn until all become familiar with every detail of the work.

## Penmanship

The ability to write a rapid, neat and legible hand is of the utmost importance to those who are to enter upon a business career. There are many clerical positions for persons who can write well, but none for those who cannot.

Recognizing this fact, our course of instruction is designed to lead the student to study and practice the art with the greatest possible pleasure and success. As a result our students soon become good writers and in the pursuit of other commercial branches make all of their papers and books present a creditable appearance. We teach the style of business writing which is taught by the best commercial colleges, and which is indorsed by business men throughout the country.

## Commercial Arithmetic

The aim is to give a thorough training in practical arithmetic. Accuracy and speed in addition, subtraction, multiplication and division are required. Thorough work in fractions is done that the student may not be deficient in this important branch of the subject. Denominate numbers are carefully taught. Percentage and all its applications receive careful attention.

## English Grammar

The chief objects to be accomplished in the study of grammar

are *accuracy* and *facility* in the use of both spoken and written language.

To secure these ends, a careful study of the principles, forms and laws of discourse is essential. The sentence is the foundation or unit of discourse. All good writing consists of correct sentences properly joined. The student should be able to place the principal and subordinate elements in their proper relation. He should understand the function of every element, its relation to other elements, and its relation to the whole. For this reason great stress is placed upon the importance of composition, the analysis of sentences, and the parsing of words. The aim is to interest and instruct the student in the more practical parts of the subject, and to stimulate and impel him to the use of good language and accurate terms in his every-day pursuits.

### Correspondence

As a very large per cent of the business of this country is conducted through the medium of letters, the ability to write a good letter can hardly be overestimated. The person who properly exercises this power may win the esteem and confidence of those who thus know him. This subject, as taught in our business course, embraces correct forms for the different kinds of letters—their parts, the heading, the address, the salutation, the body, the complimentary close and signature. The student becomes thorough by practice in writing letters of introduction, recommendation, application, and complaint, and in ordering goods, making remittances and sending telegrams.

### Spelling

The ability to spell and pronounce words correctly, and to use the word having the right meaning at all times, is one of the rarest accomplishments. To aid in attaining this desirable end, it is evident that the student should study not only the spelling, or forms of words, but also their real significance and application. The design of the course is to help the student to become proficient in this subject without which no education is complete.

### Commercial Law

Business education is incomplete without a knowledge of the

laws governing trade. This course requires a careful study of the following subjects: Contracts, Negotiable Paper, Sales of Personal Property, Agency, Partnership, Corporations, Common Carriers, Innkeepers, Insurance, Husband and Wife, Telegraph and Telephone Companies, Patents and Copyrights, Landlord and Tenant, and some others. A text book will be used, and lectures will be given.

### Shorthand Course

Stenography and typewriting are the principal subjects of this course, but a knowledge of English grammar, spelling and letter-writing are required. Graham's Standard Phonography has been chosen as the most desirable system on account of its beauty, brevity, preciseness of expression, and general harmony of the principles presented. For many years it has been subjected to the most thorough tests in legal, literary, scientific and other forms of reporting. These have been the most convincing evidences of its superiority.

The student is required to master the principles as presented in the corresponding style, before taking up the more advanced work. This is necessary in order to lay a good foundation for the reporting style. The study of amanuensis work then forms an easy stepping stone from the corresponding to the reporting style of writing.

The Remington and Smith Premier typewriters are used, and both the "touch" and "sight" methods of writing are systematically taught.

### Terms

Tuition for Commercial Course, per semester.....	\$30.00
Shorthand Course, per semester.....	32.00

# Students

## COLLEGE OF LIBERAL ARTS

### Post Graduates

Bien, Edith Kappa.....	Los Angeles
Jijima, Eitaro.....	Japan
Knoles, Tully Cleon.....	Los Angeles
Rice, Luther Allen.....	Los Angeles
Susuki, Keifiro.....	Tokio, Japan
Williamson, Estella M.....	Los Angeles
White, Harry W.....	Los Angeles
Yamaguchi, Masahara.....	Nigata, Japan

### Seniors

Cloud, Marshall Morgan.....	Santa Monica
Flint, Fay Dudley.....	Los Angeles
Faulkner, Alpha Lulu.....	Santa Paula
Gay, Martha Belle.....	Redlands
Gregory, Dr. Layman.....	Los Angeles
Lancaster, Nellie.....	Los Angeles
Leonard, Ethel.....	Los Angeles
Maurer, Anna Elizabeth.....	Los Angeles
Matthews, Pearl Eva.....	Tabor, Iowa
Pakchoyan, David John.....	Los Angeles
Reeves, May Clarinda.....	Santa Monica
Seymour, Chas Francis.....	Los Angeles

### Juniors

Brunton, Delbert.....	Compton
Dyar, Guy Edward.....	Los Angeles
Hazard, Earl Chester.....	Whittier
Miller, Jesse Ray.....	Los Angeles
Thornton, Corliss Russell.....	Norwalk

Vann, Harold K.....	Florence
Wenger, Beatrice Mae.....	Los Angeles
Webster, Leila Ione.....	Los Angeles

### Sophomores

Broderson, Chas. Christian Edward.....	Los Angeles
Banks, Elizabeth.....	Riverside
Boardman, Esther Carver.....	Los Angeles
Christy, Waldo Berry.....	Phoenix, Arizona
Cowan, James Rae.....	Los Angeles
Casner, Emma Atlanta.....	Santa Paula
Fuller, Alice May.....	Brooklyn, New York
Heil, Marian Vernelia.....	Santa Ana
Heil, Mildred Elizabeth.....	Santa Ana
Huter, Katherine.....	Fullerton
Henderson, Edward Alexander.....	Los Angeles
Hockett, Nena.....	Whittier
Hubbard, John K.....	Mason City, Iowa
Lennox, Walter John.....	Long Beach
Malcom, Roy.....	Compton
Mitchell, John Shepard.....	Ontario
North, Henry S.....	Los Angeles
Packard, Ella Edna.....	Monte Vista, Colorado
Rodenberg, Wilhelmina Margarita.....	Los Angeles
Scott, Chas. Holmes.....	Los Angeles
Thornton, Calvin.....	Norwalk
Van Dyke, Heimen.....	Los Angeles
Wade, Franklin Sanborn.....	Hollywood
Willett, Harriett Mary.....	Los Angeles
Wright, Willard Huntington.....	Santa Monica

### Freshmen

Ashcraft, Edwin Perry.....	Shibboleth, Kansas
Atwood, Amy Lovina.....	Los Angeles
Buckmaster, Guy W.....	Whittier
Best, Oliver Warren.....	Riverside
Butler, Walter H.....	Downey
Carnes, Welcome.....	Los Angeles
Crall, David Edwin.....	Los Angeles
Cooper, Morris Edwin.....	South Pasadena



Fairfield, Mabel C.....	Des Moines, Iowa
Frost, Howard O.....	Pasadena
Garcia, Ernesto Benedict.....	Los Angeles
Grant, Robt. Lunde.....	Boston, Mass
Holden, John Lelburn.....	Los Angeles
Harvey, Guy .....	Marysville, Ohio
Hassen, Edwin Galen.....	Buena Park
Kimmell, Marian Emma.....	Hemet
Lincoln, Lilian Edith.....	Long Beach
Mathis, Earl H.....	Los Angeles
Montgomery, John W.....	Los Argeles
Naismith, Florence Janet.....	Los Angeles
Payton, Mabel Fern.....	Perris
Patterson, Mima F.....	Los Angeles
Riner, Grace Lucile.....	Los Angeles
Runyon, George Orien....	Arroyo Grande
Stelle, George.....	Compton
Sinclair, Daisy.....	Los Angeles
Weaver, Royal Arthur.....	Highland Park
Wilson, Maude Alice.....	Phoenix, Arizona
Willet, Hugh Carey.....	Los Angeles

### Special Students

Baruch, Bertha Hirsh.....	Los Angeles
Blanchard, Nellie R.....	Terre Haute, Indiana
Bodkin, Florence Verne.....	Los Angeles
Dyar, Cora.....	Los Angeles
Ferguson, James Duncan.....	Globe, Arizona
Force, Evelyn Margery.....	Los Angeles
Gilman, Arthur Frank.....	Banning
Harder, Theo.....	Santa Ana
Husted, Clarence B.....	Los Angeles
Herrera, Benito.....	Los Angeles
Hewitt, Chas. T.....	Los Angeles
Hamlin, Burton.....	Los Angeles
Miller, L. L.....	Somerest, Penn
Merrill, Monroe.. ..	Los Angeles
Oates, Wm. Arthur.....	Los Angeles
Odell, Robert Alva.....	Moline, Illinois



Rumer, Otto Ellsworth...	Los Angeles
Strickland, W. R.....	Los Angeles
Shanahan, Philip Spencer.....	Los Angeles
Shaw, Lillian B.....	Pasadena
Southworth, C. S.....	Los Angeles
Sungaku, Otori.....	Fuhui, Japan
Wilson, Margaret Marie.....	Los Angeles
Wheatley, Logan W.....	Los Angeles
Wall, Edgar Tingley.....	Evanston, Illinois
Winchell, Mary Edna.....	Clarenda, Iowa
Ward, Lou Johnston.....	Los Angeles
Woolpert, Royal Myron.....	Los Angeles

## THE COLLEGE OF MEDICINE

## Fourth Year

Anthony, G. M.	Keith, D.
Blaney, C. H.	Moore, A. W.
Brown, F. H.	Moore, E. C.
Brown, Ira E.	Paddleford, Geo.
Brown, L. J.	Pratt, A. C.
Burrows, C. A.	Putnam, H. A.
Butterfield, A. E.	Riley, S. V.
Claypole, E. J.	Rookledge, P. F.
Evans, E. W.	Sabichi, G. C.
Ferrey, F. F.	Spencer, J. F.
Garcelon, H.	Syer, H.
Hayes, N. S.	Tebbets, H. B.
Griffith, R. B.	Waterman, C. O.
Houghton, A. J.	Wiley, C. B.
Jenkins, H. D.	Wilson, R. R.

## Third Year

Barham, F. F.	Martin, J. M.
Bayley, W.	McKellar, J. H.
Brown, J. C.	McArthur, D. D.
Brown, N. J.	Meharry, J. S.
Brown, N. N.	Pottenger, J. E.
Burt, L. W.	Remondino, C. H. E.
Cain, L. M.	Sayad, E. E.
Chiapella, J. O.	Suckow, J. L.
Clair, F.	Smiley, W. C.
Fordyce, C. W.	Thieme, D. A. J. W.
Hall, J. H.	Voorhees, H. M.
Hollingsworth, L. D.	Wasson, T. J.
Huff, L. J.	Wood, C. H.
Lacey, T. B.	Wellcome, E. M.
Lawton, C. W.	

## Second Year

Ball, J. F.	Jackson, A. H.
Barnhart, W.	Kane, M. H.
Bristol, S. A.	Kinney, E.

Brunson, L. M.  
Caley, D. M.  
Chamberlain, H. H.  
Crowell, I.  
Dwire, F. B.  
Fales, J. E.  
Farnsworth, D. C.  
French, J. R.  
Ham, J. G.  
Huntoon, H. A.

Ledyard, C. C.  
Lewis, W. J.  
MacFarland, A. H.  
Mattison, E. G.  
Reed, W. J.  
Rush, G. M.  
Skinner, G. H.  
Waterhouse, A. H.  
Winter, A. H.  
Wood, W. A.

### First Year

Atkinson, C. C.  
Brown, A. R.  
Brown, F. E.  
Campbell, F. C.  
Chaffin, R. C.  
Chambers, F. M.  
Corbin, W. A.  
Johnston, M.  
Kellogg, J. M.  
Kierulf, B. F.  
Kinney, A. M.  
Lawrence, C. L.  
Lowman, C. L.  
Martin, M. L.  
Morris, M. M.  
Mustard, J. J.  
Prigge, H.

Reinschild, A.  
Riggins, P. B.  
Rosenberger, H. G.  
Ross, K.  
Sherer, W. W.  
Schroeder, L. A.  
Standlee, C.  
Sundin, P. O.  
Trevelyan, J. H.  
Thompson, H. A.  
Towsend, V. R.  
Thorpe, C. M.  
Ulliot, T. H.  
Valla, L. B.  
Wright, C. A.  
Wickett, W. H.  
Walker, R. S.

## THE COLLEGE OF MUSIC

Anderson, Oria.....	Los Angeles
Arnett, Lillian.....	Los Angeles
Bailey, Annette N.....	Los Angeles
Barron, Flora.....	Los Angeles
Beck, Meta.....	Los Angeles
Best, Oliver.....	Riverside
Betts, Mrs. W. A.....	Whittier
Blanchard, Ada F.....	Los Angeles
Blanchard, Nellie R.....	Kansas City
Blanchard, Alice.....	Los Angeles
Blanchard, Stella.....	Los Angeles
Bosbyshell, Elsie.....	Los Angeles
Bosbyshell, Fred.....	Los Angeles
Brady, Katherine.....	Pennsylvania
Brown, Stella.....	Los Angeles
Brown, Amelia C.....	Los Angeles
Brown Mabel E.....	Los Angeles
Bunker, Hazel.....	Visalia
Carpenter, Leigh.....	Los Angeles
Chase, Gladys.....	Hollywood
Christopher, Linn.....	Los Angeles
Cook, Edith.....	Los Angeles
Cook, Maude B.....	Los Angeles
Dinsmore, Mrs.....	Los Angeles
Dinsmore, Lura.....	Los Angeles
Downer, Pearl.....	Los Angeles
Edwards, D. W.....	Los Angeles
Edwards, Effie.....	Los Angeles
Elsner, Tillie.....	Los Angeles
Ferguson, Elsie.....	Arizona
Ferguson, Russell.....	Los Angeles
Frazee, Hallie M.....	Los Angeles
Gail, Carrie.....	El Toro
Gilbert, Edith M.....	Los Angeles
Haines, F. S.....	Los Angeles
Hall, Bertha.....	Los Angeles
Hall, Katherine.....	Los Angeles

Harper, Cora.....	Los Angeles
Harris, Mrs. A. M.....	Iowa
Haven, Pansy.....	Los Angeles
Hawley, Maude.....	Arizona
Hill, Hazel.....	Los Angeles
Hoffman, Grace.....	Los Angeles
Horton, Katherine.....	Pasadena
Hough, Marie.....	Los Angeles
Jacobs, J. C.....	South Pasadena
Jennison, Girlie.....	Downey
Jones, Violet C.....	Los Angeles
Kelley, Clara.....	Los Angeles
Keyes, Ethel.....	Los Angeles
Leigh, Jessie.....	Los Angeles
Lenton, Lavinia.....	Fullerton
Lindstrom, Leona.....	Arizona
Longwell, Margaret.....	Ontario
Maclosky, Pearl.....	Los Angeles
Mathis, R. C.....	Los Angeles
McMillen, Mauneena.....	Los Angeles
Mitchell, Margaret.....	Los Angeles
Morris, Bertha.....	Los Angeles
Palmer, Jennie.....	Long Beach
Patton, Madge....	Los Angeles
Pierce, Mrs. Kate.....	Los Angeles
Prior, Guy.....	Riverside
Reese, Erna.....	Los Angeles
Schroeder, Gussie.....	Los Angeles
Scott, Clarrisa.....	Los Angeles
Seymour, C. F.....	Los Angeles
Shaw, Lillian.....	Pasadena
Sloane, L. May.....	Buena Park
Smith, Eva.....	Los Angeles
Sprowls, Madaline.....	Los Angeles
Stabler, Mrs. L. J.....	Los Angeles
Stalker, Eleanor J.....	Whittier
Stansfield, Marion.....	Los Angeles
Stanley, Regina.....	Iowa
Stevens, Mrs. F. H. G.....	Santa Monica

Stribling, Alice.....	Los Angeles
Taylor, Mrs. H. N.....	Los Angeles
Tesch, Bianca.....	Los Angeles
Thomas, Della.....	Escondido
Thompson, Mrs. Elizabeth.....	Los Angeles
Thompson, Francis.....	Los Angeles
Trowbridge, Carrie.....	Los Angeles
Turner, George.....	Los Angeles
Walker, Mrs. J. D.....	Los Angeles
Walters, Gussie.....	Los Angeles
Weaver, Royal.....	Los Angeles
Williamson, Lillian..	Los Angeles
Yerxa, Mabelle.....	Los Angeles
Young, Edith.....	Garden Grove

## THE COLLEGE OF ORATORY

## Class

Addison, Edna.....	Los Angeles
Beckwith, Herman.....	Los Angeles
Best, Oliver W.....	Riverside
Bodkin, Florence.....	Los Angeles
Bovard, Warren.....	Los Angeles
Bunker, Hazel.....	Visalia
Chapman, May.....	Long Beach
Hamlin, Burton.....	Los Angeles
Hewitt, Charles.....	Los Angeles
Husted, Clarence B.....	Los Angeles
Kelly, Clara.....	Los Angeles
Maurer, Anna.....	Los Angeles
Rundell, John .....	Los Angeles
Seymour, Charles F.....	Los Angeles
Sinclair, Daisy.....	Los Angeles
Stewart, Angie .....	Los Angeles
Terry, Ethel .....	Trenton, Missouri
Thornton, C. R.....	Norwalk
Uber, Edna.....	Los Angeles
Weaver, Royal.....	Highland Park
Winchell, Mary .....	Los Angeles

## Private Pupils

Addison, Edna.....	Los Angeles
Atkins, Edna.....	Los Angeles
Best, Oliver.....	Riverside
Bunker, Hazel.....	Visalia
Chapman, May.....	Long Beach
Christy, Waldo B.....	Phoenix, Arizona
Dyar, Cora.....	Los Angeles
Dyar, Guy.....	Los Angeles
Edwards, Jennie.....	Los Angeles
Garcia, Ernest .....	Los Angeles
Harder, Theo. L.....	Santa Ana
Heil, Mildred.....	Santa Ana
Heil, Marion.....	Santa Ana



Hubbard, John K.....	Los Angeles
Husted, Birdie.....	Los Angeles
Husted, Clarence.....	Los Angeles
Kelly, Clara.....	Los Angeles
Linstrum, Leona.....	Los Angeles
Purinton, Edgar.....	Longfellow, Texas
Rice, Luther.....	Los Angeles
Rundell, John.....	Los Angeles
Scott, Charles.....	Los Angeles
Seymour, Charles.....	Los Angeles
Sinclair, Daisy.....	Los Angeles
Smith, Ava.....	Los Angeles
Stewart, Angie.....	Los Angeles
Swain, Almah.....	Whittier
Terry, Ethel.....	Trenton, Missouri
Thornton, C. R.....	Norwalk
Weaver, Royal.....	Highland Park

### Physical Culture

Adkinson, Kathrine.....	Los Angeles
Atwood, Amy.....	Los Angeles
Bein, Beulah.....	Los Angeles
Bovard, Edna.....	Los Angeles
Burmeister, Emma.....	Los Angeles
Chapman, May.....	Long Beach
Cook, Maude.....	Los Angeles
Gay, Martha.....	Redlands
Grey, Lettie.....	Los Angeles
Hart, Anna.....	Los Angeles
Husted, Birdie.....	Los Angeles
Jacobs, Mamie.....	Los Angeles
Kelly, Clara.....	Los Angeles
Mitchell, Margaret.....	Los Angeles
Reeves, Mary.....	Santa Monica
Smith, Ava.....	Los Angeles
Terry, Ethel.....	Trenton, Missouri
Wright, Winnifred.....	Los Angeles
Zander, Lucille.....	Los Angeles

## THE COLLEGE OF DENTISTRY

## Third Year

*Baldwin, I. F.	Mueller, F. E.
Cole, C. E.	Packard, H. R.
Engstrom, Chas. J. R.	Packard, L. M.
Fulsom, Harry A.	Ritz, Royal A.
Gillespie, Delos S.	Rogers, W. W.
Guthrie, J. E.	Spencer, Roy L.
Holcombe, J. D.	Sprague, George H.
Jarvis, Clarence C.	Thornburg, Frank S.
Kirby, A. H., D. D. S.	Viney, A. W.
Miller, Glenn G.	Williams, Charles C.
* Irregular.	

## Second Year

Arnold, Burrows C.	Jessup, Arthur H.
Bailie, H. C.	McKenzie, T. W.
Bailey, Ralph.	McDonald, F. S.
Brown, Horace E.	Metcalf, James A.
Burdette, Leo W.	Miller, Dora
Cason, Frank V.	Neel, Ross E.
Crandall, G. J.	Price, Rae
Dixon, Max M.	Ransom, Harry E.
Flanders, Geo.	Shepherd, H. B.
Giguette, Frank A.	Smith, Horace A.
*Hopkins, J. C.	Spinks, Andrew M.
Humphreys, Geo. H.	Stare, C. B.
* One half term.	

## First Year

Boege, Jno. H.	Lane, R.
Brown, A. Ralph	Lockwood, R. C.
Burdeck, Walter R.	McBean, Chas.
Clapp, S. W.	McBean, Wm. H.
Darby, Arthur L.	McCoy, Jas. D.
Darby, J. H.	McHargue, W. H.
†Doremus, Bert	Nichols, L. E.
*Fitzgerald, Fred	Oates, James A.

Foster, Hattie E.  
Foster, W. M.  
Goff, E. E.  
Johnson, Alvin  
Justice, J. Amos  
Kilburn, C. M.

Schurmer, Oscar  
Sitherwood, Doane L.  
\*Somerville, J. A.  
Talhurst, Edw. W.  
White, Russell W.  
\*One-half term.

†Irregular.

## THE COLLEGE OF LAW

## Seniors

Orlando Bertram Brinkerhoff, Fort Scott, Kansas.

Clarence Enyeart (U. S. C.), Los Angeles, California.

David Goldberg (B. Ph. Cal. State Univ.), San Francisco, Cal.

Ray Howard (Stanford Univ.), Los Angeles, California.

Frank Sutherland Hutton, Los Angeles, California.

Warren James Lander, Los Angeles, California.

Stella Mickelsen, Los Angeles, California.

John Charles North, Riverside, California.

Matthew D. Reid (Minn. State Univ.), Compton, California.

Lottie Crego Park (M. D. N. W. Univ. Illinois) Los Angeles, California.

Dell Arthur Schweitzer (B. S. Ind. State Normal), Los Angeles, California.

Charles Segerstrom, Sonoma, California.

George Augustus Waterman (Pomona College), Pomona, Cal.

George Watson (A. B. St. Andrews Univ. Scotland), Los Angeles, California.

## Juniors

Henry Stanley Benedict (Occidental College), Los Angeles, California.

Gilbert Bettman (A. B. Harvard Univ.), Cincinnati, Ohio.

George Adams Boden (B. S. State Normal School), Pasadena, California.

Edmond Russell Bohan (N. W. Univ. Illinois), Los Angeles, California.

Ray Otis Bordner, Los Angeles, California.

Albert Bert Bowman, Colorado Springs, Colo.

Frank Buren, Eureka, Cal.

Elwin Merrit Caley (U. S. C.), Los Angeles, California.

Donald Caleb Cameron (Hamilton College), Hamilton, Canada.

Hendrick Dirk Canne, (Merced Collegiate), Los Angeles, California.

John Welch Carrigan, Los Angeles, California.

Adam Derkum (B. St. Vincent's College), Manila, Los Philippine Islands.

Arthur McNamara Flynn, Butte, Montana.

Percey Vernon Hammon, Los Angeles, California.

William Lewis Kuehen, Los Angeles, California.

John Martin Laronde, Los Angeles, California.

Charles Blackburn Leffler (Occidental College), Los Angeles, California.

William Manning Melton (A. B. State Univ., S. C.), Spartanburg, South Carolina.

Lloyd L. Miller, Somerset, Pennsylvania.

William Gregory Moore, Eureka, California.

Nord Bernhard Myran, Los Angeles, California.

Robert Alva Odell, Moline, Illinois.

George William Pearson, Pasadena, California.

Perle Pemberton, Whittier, California.

Andrew M. Pence, Seattle, Washington.

John Franklin Poole, Los Angeles, California.

Louis Woodburn Roberts (Cornell College, Iowa), Audubon, Iowa.

Leonard Newton Shafer, Hutchinson, Kansas.

Adam Thompson, Nanaimo, B. C., Canada.

William Dillard Wall, Santa Ana, California.

### **Specials**

Edward Emory Balcom (Stanford Univ.), Los Angeles, California.

Walter LeClare Bowers (Stanford Univ.), Los Angeles, California.

Clement Buckler, Los Angeles, California.

George Wilbert McDill, Los Angeles, California.

Joseph Franklin Seymour (U. S. C.), Los Angeles, California.

Seijiro Shibuya (B. S. Tokio College, Japan), Nagasaka, Japan.

Oscar Bernard Smith, Los Angeles, California.

Charles Sherman Wilson, Los Angeles, California.

Ralph Ray Woodward, Orange, California.

## THE COLLEGE OF FINE ARTS

Larue, Logan  
Dands, Mr.  
Whitcomb, Madge  
Fitcher, Rose  
Neuenhusen, Helen  
Jones, Edna A.  
Hunter, Nellie E.  
Loy, Mrs. M. J.  
King, Mrs. J. M.  
Seymour, J. T.  
Griffin, Wesley A.  
Tupman, Laura  
Jones, Jessie  
Bedford, J. Berna  
Campbell, Juliette D.  
Lee, Mamie  
Godfrey, M. C.  
Winter, Florence  
Smith, Sadie T.  
Hoose, James  
Robinson, Martha L.  
Waugh, Mr.  
Hansen, Annie Marie  
Clarke, R. M.  
Mays, Mrs. J. W.  
Wieben, Walter  
Thorne, Ina G.  
Salisbury, Helen  
Pogson, Mrs.  
Corbin, Marh  
Clark, Chauncey R.  
George, Mabel  
Brayton, John G.

Forben, Marion  
Riley, Portia A.  
Albin, Lulu  
Carleton, Lilian  
Black, Mr.  
Langworthy, Mrs. B.  
Cook, Alma May  
Tollenham, Arley G.  
Harle, L. A.  
Blumve, Edna  
Wells, Ava  
Hitchcock, May D.  
Parks, Lucas  
Baca, Virginia de  
Alexander, Max  
Parker, Ellen M.  
Burwell, Chas. D.  
Dawson, Laura  
Judson, Pearl  
Carey, Edith  
Ingraham, L. L.  
Mason, Mrs. J. H.  
Warnecke, Carl  
Barler, Ella  
Tarrington, Mrs. H. L.  
Whitcomb, Jessie  
Garland, Mrs.  
Edwards, J. T.  
White, Rev. H. W.  
Pratt, Marguerite  
Williams, Francis  
Valentine, Katharine H.

## THE PREPARATORY SCHOOL

## Fourth Year

Anderson, James A.....	Los Angeles
Anderson, Mary Elaine.....	Los Angeles
Beckwith, Hermon Eldridge.....	Los Angeles
Bickford, Jay Hamilton.....	Redlands
Barnum, William Floyd.....	Gardena
Bice, Daisy Humphrey.....	Gardena
Cory, Eleanor Grace.....	Santa Ana
Cowan, James Alexander.....	Los Angeles
Cammack, Iryin Roscoe.....	Paso Robles
Davidson, Gordon Scott.....	Pinos Allos, New Mexico
Foss, Josiah Davis.....	Los Angeles
Ferguson, Elsie.....	Globe, Arizona
Gibson, Rosetta Bessie.....	Los Angeles
Hall, Mabel Roma.....	Los Angeles
Horstman, Elsie Henrietta.....	Templeton
Hamilton, Wm. James.....	Globe Arizona
Hall, Bertha Vera.....	Los Angeles
Hendricks, Andrew O.....	Los Angeles
Meyers, Shelley R.....	Los Angeles
Montgomery, Eugenia Lloyd.....	Los Angeles
Miller, DeMont George.....	Los Angeles
Miller, Read Erskin.....	Los Angeles
McCullough, Vernon.....	Los Angeles
Ross, Fred Harmon.....	Los Angeles
Shenk, Mary Miller.....	Pasadena
Sevier, Roscoe C.....	Gardena
Thornton, Alta Evelyn.....	Norwalk
Van Dyke, Frank.....	Los Angeles
Wilson, Charles W.....	Los Angeles

## Third Year

Adkinson, Paul Hasen.....	Los Angeles
Cowan, Hazel Lurena.....	Los Angeles
Edwards, David W. Jr.....	Los Angeles
Edwards, Mabel.....	Los Angeles
Flick, Frank Lehman.....	Los Angeles



Gibbs, James Newton.....	Trinidad, Colorado
Husted, Adelbert Paul.....	Redlands
Montgomery, Wayne W.....	Los Angeles
Montgomery, Sumner Edwin.....	Los Angeles
Mitchell, Margaret.....	Los Angeles
Miller, Maud Hazel.....	Los Angeles
Stafford, Florence Robbins.....	Los Angeles
Smith, Elva.....	Idaho Falls, Idaho
Thornton, Ethel.....	Norwalk

## Second Year

Armstrong, Gladys.....	Los Angeles
Burmeister, Emma Minnie.....	Los Angeles
Blackburn, Porter Conrad.....	Gardena
Bice, Blanch.....	Los Angeles
Buchanan, Geneviere.....	Los Angeles
Clay, Thomas L.....	Los Angeles
Ferguson, Maude.....	Globe, Arizona
Gardiner, Margarette Bessie.....	Los Angeles
Hogan, Ethel Josephine.....	Los Angeles
Harriman, William Ruddy.....	Los Angeles
Janes, Mabel Cornelia.....	Los Angeles
Jones, Clarence Edward.....	Los Angeles
Kempson, Essie Bell.....	Moneta
Linstrom, Leona.....	Williams, Arizona
Lancaster, Annie.....	Los Angeles
Ogborn, Raymond Jones.....	Los Angeles
Poindexter, Mabel.....	Los Angeles
Parmenter, Chas. LeRoy.....	Los Angeles
Parsons, Chas. Lenox.....	Los Angeles
Rogers, Tudor Stone.....	Los Angeles
Rundell, John Thomas.....	Globe, Arizona
Speicher, Ernest Edwin.....	Los Angeles
Speicher, Robert Austin.....	Los Angeles
Willett, Grace Alice.....	Los Angeles
Waddell, Albert Gilroe.....	Los Angeles
Woodhead, Lora Mae.....	Los Angeles
Woodhead, Florence M.....	Los Angeles
Zander, Lucille.....	Los Angeles

## First Year

Adkinson, Katherine Wiley .....	Los Angeles
Bovard, Edna Georgia.....	Los Angeles
Brown, Frederick Raymound.....	Los Angeles
Brown, Rollo Forest.....	Los Angeles
Bayly, Roy D.....	Los Angeles
Bien, Beulah Vernon .....	Los Angeles
Cook, Maude Blanche .....	Los Angeles
Carvell, Walter Cale.....	Los Angeles
Crawford, Walter.....	Ocean Park
Carrell, Frank.....	Gardena
Carpenter, Leigh Richard.....	Galeton, Pennsylvania
Cynn, Hugh.....	Korea
Dakan, Walter Cook .....	Los Angeles
DeMerett Frank Raymond.....	Los Angeles
Doutherty, Hugh Merton.....	Los Angeles
Foster, Edward Clared .....	Los Angeles
Fredenberg, May Pauline.....	Los Angeles
Flint, Gilman Monroe.....	Tropico
Funk, Foss Simpson.....	Los Angeles
Gleiss, Chester Arthur.....	Los Angeles
Griswold, Samuel Perry.. ..	Hanford
Gutzler, Mabel A.....	Los Angeles
Gault, Enid.....	Los Angeles
Glass, Cora Julia .....	Los Angeles
Hill, Ernest Vance.....	Long Beach
Hogerman, Rose Charlotte.....	Los Angeles
Hough, Margaret Alice.....	Los Angeles
Hoffman, Roye John.....	Los Angeles
Jacobs, Mimie.....	Los Angeles
Jepson, Arthur.....	Los Angeles
Jinbo, Masataro .....	Los Angeles
Johnson, Evan Brown.....	Los Angeles
Kenah, Harry Stanley.....	Los Angeles
Muir, Serald Fillmore.....	Los Angeles
Marks, Fannie.....	Los Angeles
Miles, Joseph T.....	Los Angeles
Newcomb, Jessie Eva.....	Los Angeles

Purinton, Edgar Richard.....	Longfellow, Texas
Pruegar, Lrone Arnold .....	Los Angeles
Randall, Wilbur Walter.....	Ione
Smith, Elsie May .....	Ione
Sawyer, Mabel Clair.....	Ione
Speicher, Maude Mary.....	Ione
Scott, Benjamin David.....	Los Angeles
Smith, Eva May .....	Los Angeles
Stockton, Edward Earl.....	Compton
Upught, John Norman.....	Los Angeles
Uber, Edna Radcliffe.....	Los Angeles
Wildasin, Magdalena May.....	Los Angeles
Wood, Myrtle.....	Los Angeles
Wheeler, Thomas Benjamin.....	Los Angeles
Wallace, Kenneth Clark.....	Los Angeles
Webb, Jesse Ernst.....	Long Beach
Woodward, Sam.....	Los Angeles
Young, Gavin .....	San Luis Rey

### Special Students

Addison, Edna Helen.....	Los Angeles
Bond, Louise.....	Los Angeles
Bunkder, Hazel Mae .....	Visalia
Bovard, Warren B.....	Los Angeles
Burnell, Chas. Dewy.....	Los Angeles
Caley, Edwin M.....	Los Angeles
Campbell, Chas. C.....	Los Angeles
Cook, Mariam Arnold.....	Los Angeles
Downer, Pearl.....	Los Angeles
Griffin, Alice Marguerite.....	Los Angeles
Haven, Pansy.....	Los Angeles
Hall, Kathryn Myrtle.....	Los Angeles
Hill, Hazel Ruth.....	Los Angeles
Houston, Jess Hale.....	Los Angeles
Jones, Violet.....	Los Angeles
Lusk, William Franklin.....	Los Angeles
Lusk, Laura Adelaide.....	Los Angeles
Lewis, George Mae.....	Los Angeles
Marshall, Grace.....	Los Angeles

McCoy, Earl Tucker.....	Los Angeles
Pakagi, R .....	Los Angeles
Pitner, Helen .....	Los Angeles
Peabody, Margaret .....	Los Angeles
Riggins, Mary Haves .....	Los Angeles
Roseburry, Stewart .....	Los Angeles
Regigiro, Pakagi .....	Japan
Reid, Seth Barton.....	Los Angeles
Randall, Rita .....	Ione
Speicher, Florence Catherine .....	Los Angeles
Scott, Homer Davis .....	Los Angeles
Smith, Rex Orestes.....	Los Angeles
Smith, Frank Delke .....	Salt Lake City, Utah
Sherwood, Guy Cedric.....	Los Angeles
Woodhead, Blanche.....	Los Angeles
Waggoner, Lawrence .....	Los Angeles
Warner, Everett.....	Los Angeles
Yoshniao, Saito .....	Los Angeles
Yukichi, Naito.....	Japan

## THE COMMERCIAL SCHOOL

Bell, Paul .....	Los Angeles
Butters, Archie.....	Long Beach
Biddles, Neal .....	Los Angeles
Bosbyshell, William.....	Los Angeles
Crawford, Ernest.....	Ocean Park
Crawford, Walter.....	Ocean Park
Davis, W. Ralph.....	Los Angeles
Dakon, W. C. ....	Los Angeles
Dougherty, H. M.....	Los Angeles
Edmonds, Susie S.....	Sawtelle
Faulkner, Alpha.....	Santa Paula
Griswold, S. P.....	Hanford
Houston, Jess H.....	Los Angeles
Hogan, Ethel .....	Los Angeles
Hamilton, Willie .....	Los Angeles
Huen, M. P.....	Los Angeles
Lewis, Georgia.....	Los Angeles
Mullins, J. A. ....	Los Angeles
Murdock, Lillian.....	Los Angeles
Nichols, Ben.....	Los Angeles
Purington, Ed R.....	Los Angeles
Praeger, Arnold.....	Los Angeles
Smith O. Eugene .....	Los Angeles
Sherwood, Guy C.....	Los Angeles
Scheu, Carl .....	Los Angeles
Watson, Vada .....	Los Angeles
Wiles, Mabel .....	Los Angeles
Wiles, Frankie .....	Los Angeles
Waddell, Albert.....	Los Angeles
Wood, Myrtle .....	Los Angeles
Young, Gavin .....	San Luis Rey

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OF

SOUTHERN CALIFORNIA

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YEAR BOOK FOR 1904-05

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PUBLISHED BY THE UNIVERSITY  
MARCH, 1905



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UNIVERSITY  
OF  
SOUTHERN CALIFORNIA

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LOS ANGELES, CALIFORNIA

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# 1905

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# CALENDAR

1905-1906

## THE COLLEGE OF LIBERAL ARTS

1905

Sept. 18	Monday.....	} Entrance examinations and registration
Sept. 19	Tuesday.....	
Sept. 20	Wednesday....	First semester begins at 8:30 a.m.
Nov. 30	Thursday....	} Thanksgiving recess
Dec. 1	Friday.....	
Dec. 21	Thursday.....	Christmas vacation begins at 4:30 p.m.

1906

Jan. 3	Wednesday....	College exercises resumed at 8:30 a.m.
Jan. 25	Thursday .....	Day of Prayer for Colleges
Jan. 26	Friday .....	} Mid-year examinations
Jan. 31	Wednesday..	
Feb. 1	Thursday .....	Second semester begins at 8:30 a.m.
Feb. 22	Thursday .....	Washington's Birthday; a holiday
Mar. 30	Friday.....	Spring vacation begins at 4.30 p.m.
April 10	Tuesday .....	College exercises resumed at 8:30 a.m.
May 30	Wednesday....	Memorial Day; a holiday
June 14	Thursday....	} Final examinations
June 19	Tuesday ....	
June 17	Sunday.....	Baccalaureate Sunday
June 19	Tuesday.....	Annual meeting of Trustees
June 21	Thursday .....	Commencement
June 22	Friday.....	Alumni reunion and banquet

## THE UNIVERSITY

The University of Southern California was founded in 1879, and was formally opened for students in October, 1880. It includes the following colleges each of which has a distinct faculty of instruction:

COLLEGE OF LIBERAL ARTS,  
36th Street and Wesley Avenue.

COLLEGE OF MEDICINE,  
737 Buena Vista Street.

COLLEGE OF DENTISTRY,  
Temple Block, Temple and Spring Streets.

COLLEGE OF LAW,  
Rindge Building, 3rd Street and Broadway.

COLLEGE OF MUSIC,  
36th Street and Wesley Avenue.

COLLEGE OF ORATORY,  
36th Street and Wesley Avenue.

COLLEGE OF FINE ARTS,  
Garvanza.

A Preparatory School and a Commercial School are also maintained in connection with the College of Liberal Arts.

The government of the University is committed to a Board of twenty-one Trustees. This Board has the power to elect professors and other officers of instruction, to confer degrees, to manage the property of the University Corporation, and to determine the general policy of the institution.

The endowment, started a few years ago by the munificent gift of sixty-five thousand dollars by the late Rev. Asahel M. Hough and his wife, Anna G. Hough, has steadily grown until

it has reached the sum of two hundred and fifty thousand dollars.

During the present year about six thousand dollars has been expended on improvements on the ten acre campus in West Los Angeles. A Gymnasium has been erected and fully equipped with the best quality of apparatus. The Athletic grounds have been enclosed and put in first class condition for all out-door sports.

Much new apparatus has been added to the scientific laboratories.

The Trustees are planning for largely increased facilities to be ready for the opening in September, 1905.

### ADVANTAGES OF LOCATION

Los Angeles is the metropolis of Southern California which comprises the south half of the State. Its population of about 150,000 represents almost every State in the Union and many foreign lands.

The climate throughout the year is such that tourists from every quarter come to spend a part of the year, and many return to make this their permanent home.

It is the greatest railroad center on the Pacific Coast. Four transcontinental lines are now completed. A network of electric roads connects the city with the numerous beaches, mountain resorts and outlying towns. These are reached by delightful journeys through orange groves and orchards of semi-tropical fruits characteristic of the region.

Los Angeles is known as the Convention City of the West. Every year brings large bodies of people here for the discussion of every kind of public interest known to science, politics, religion and the humanities.

These great conventions afford the student an excellent opportunity to study the subjects of their discussion, while the resident population of the city is sufficiently large to afford important advantages for the study of sociology and kindred subjects.

The diverse view-points of the groups of students in the seven colleges make their association an important educational factor.

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*Criminal Law and Criminal Procedure.*
- MATTISON B. JONES, A. B.,  
*Private Corporations.*
- W. C. PETCHNER, B. S.,  
*Commercial Paper.*
- WILLIAM M. HIATT (Attorney Title Ins. & Tr. Co.),  
*Real Property.*
- W. P. JAMES (Chief Deputy District Attorney),  
*Contracts.*
- SAM. L. BAKER,  
*Domestic Relations.*
- T. W. ROBINSON, A. B.,  
*Statutory Interpretation.*
- GRANT R. BENNETT, A. B., LL. B.,  
*Negligence and Equity Jurisprudence.*
- LEWIS R. WORKS,  
*Equity Pleading and Code Pleading.*
- CLAIRE S. TAPPAN, LL. B.,  
*Damages.*
- FREDERICK W. HOUSER, LL. B.,  
*Agency and Sales.*

#### Lecturers

- W. T. CRAIG, Ph. B.,  
*Bankruptcy.*
- HON. N. P. CONREY (Judge Superior Court),  
*Medical Jurisprudence.*
- T. W. ROBINSON, A. B.,  
*Briefing and the Use of Books.*
- EARL ROGERS,  
*Advocacy.*
- E. W. TUTTLE,  
*Admiralty.*

FRANK JAMES,

*Lien Law of California.*

JAMES R. TOWNSEND,

*Patents.*

SEWARD A. SIMONS, A. B.,

*Insurance Law.*

JOHN D. POPE,

*Legal Ethics.*

J. W. SWANWICK, LL. B.,

*Appeals.*

E. W. CAMP, A. B., LL. B.,

*Federal Procedure.*

M. W. CONKLING,

*Derivation of Titles.*

E. W. BRITT (Ex-Supreme Court Commissioner),

*Water Rights.*

## THE COLLEGE OF MUSIC

WALTER FISHER SKEELE, A. B., Dean, . . . 2709 W. 8th St.

*Professor of Pianoforte and Pipe Organ.*

JOHN DOUGLAS WALKER, . . . . . 837 W. 35th St.

*Voice Culture and Directing.*

CHARLES E. PEMBERTON, . . . . . Blanchard Bldg.

*Harmony, Counterpoint, Composition and Musical Theory.*

BERTHA MORRIS, . . . . . 2729 W. 8th St.

*Piano.*

CARRIE A. TROWBRIDGE, . . . . . 221 W. Jefferson St.

*Piano.*

WILLIAM H. MEAD, . . . . . Blanchard Bldg.

*Flute.*

C. S. DELANO, . . . . . 2610 W. 8th St.

*Guitar and Mandolin.*

## THE COLLEGE OF ORATORY

- BEULAH WRIGHT, Dean, . . . . . 1848 Winfield St.  
*Professor of Oratory and Dramatic Art.*
- NELYE M. DICKSON, . . . . . 702 W. 35th St.  
*Professor of Expression.*  
*Director of Physical Education for Women.*
- ALBERT B. ULREY, A. M., . . . . . 1435 W. 23rd St.  
*Professor of Physiology and Hygiene.*
- HARVEY R. HOLMES, Ph. B., . . . . . 1139 W. 39th St.  
*Director of Physical Education for Men.*
- STELLA WEBSTER MORGAN, A. B., . . . . . 903 W. 36th St.  
*Professor of English Literature.*
- TULLY C. KNOLES, A. B., . . . . . 310 W. 48th St.  
*Professor of History.*

## THE COLLEGE OF FINE ARTS

- WILLIAM L. JUDSON,  
*Dean.*
- RUTH FLETCHER,  
*Professor of Drawing.*
- JOHN W. NICOLL,  
*Professor of Drawing.*
- ROSE PITCHER,  
*Professor of Drawing.*
- WALTER H. JUDSON,  
*Professor of Designing.*
- FRANK F. STONE,  
*Professor of Clay Modeling*
- FLORINE HYER,  
*Professor of Painting.*

BERTHA M. RUNDSTROM,  
*Professor of Art History.*

BENJAMIN C. BROWN,  
*Examiner.*

JOHN W. NICOLL,  
*Examiner.*

### THE COMMERCIAL SCHOOL

M. H. STARKE, . . . . . 903 W. 36th St.  
*Principal.*

ROSE E. WERSHING, . . . . . 801 W. 35th St.  
*Assistant.*

# THE COLLEGE OF LIBERAL ARTS

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## CONDITIONS OF ADMISSION

### I.—Admission to the Freshman Class

Candidates for admission to the Freshman class must be at least sixteen years of age, and must present evidence of good moral character, together with credentials from the institution in which they were prepared, or from their last instructors.

Candidates must also give, either by examination or by certificate, satisfactory evidence of preparation in *fifteen units*\* of preparatory subjects. They may be selected from either of the following groups of subjects:

#### GROUP A.

English (1)†	2 units*
Algebra (2)	1
Plane Geometry (3)	1
United States History and Civil Government (4)	1
Latin (7) and (8)	4
Greek (9a)	2
or German (10).	
or French (11)	
Physics (6)	1
Elective subjects, chosen by the candidate from the general list of preparatory subjects described on pp. 25ff.	3

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15 units

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\*The term "unit" is used to denote a preparatory subject studied through one school year with five class exercises (or the equivalent) per week.

†The figures in parentheses give the number of the subjects in the general list of preparatory subjects described on pp. 25 ff.

## GROUP B.

English (1) . . . . .	2 units*
Algebra (2) . . . . .	1
Plane Geometry (3) . . . . .	1
United States History and Civil Govern- ment (4) . . . . .	1
Latin (7) . . . . .	2
German (10) . }	
or French (11) }	2
Latin (8) . . . . .	
or German (10) (if not counted above) ..	
or French (11) (if not counted above) ..	
or Spanish (12) . . . . .	2
or English (14) . . . . .	
or Mathematics (15a or 15b) and a Science	
Physics (6) . . . . .	1
Elective subjects, chosen by the candidate from the general list of preparatory sub- jects described on pp. 25ff. . . . .	3

15 units

## GROUP C.

English (1)† . . . . .	2 units*
Algebra (2) . . . . .	1
Plane Geometry (3) . . . . .	1
United States History and Civil Govern- ment (4) . . . . .	1
German (10) . . . . .	2
Latin (7) . . . . }	
or French (11) }	2
or Spanish (12) }	
or English (14) }	
Algebra (15a) . . . . .	1
Physics (6) . . . . .	1
Botany (16) . . . . }	
or Zoology (17) }	1
or Chemistry (19) }	
Elective subjects, chosen by the candidate from the general list of preparatory sub- jects described on pp. 25ff. . . . .	3

15 units

\*The term "unit" is used to denote a preparatory subject studied through one school year with five class exercises (or the equivalent) per week.

†The figures in parentheses give the number of the subjects in the general list of preparatory subjects described on pp. 25 ff.



## CONDITIONAL ADMISSION

Candidates may be conditionally admitted to the Freshman class, if they are not deficient in more than *twenty semester-hours* (two units) of preparatory work. They must, however, remove all such conditions before they may obtain Junior standing.

## METHODS OF ADMISSION

## I. ADMISSION BY CERTIFICATE

Candidates who have completed a regular course in the Preparatory School of this University, or in an accredited high school, may be admitted to the College of Liberal Arts without examination, on presenting a certificate signed by the principal. Credit will be given only for entrance subjects in which the candidate is specifically recommended. Recommendations will be accepted from any school accredited by this University, Leland Stanford Junior University, or the University of California. The Faculty reserves the right, however, to require an examination upon any or all of the studies set for entrance, whenever there is doubt that the preparation has been sufficient. The candidate should bring his certificate of recommendation when he presents himself for matriculation.

## 2. ADMISSION BY EXAMINATION

The regular examinations for admission will begin on Monday, September 18, 1905, when candidates will be examined in all the required admission subjects not covered by certificate from an accredited school.

**Preparatory Subjects**

The following items will serve to indicate both the kind and the amount of work expected in the different preparatory subjects accepted for admission, as well as the units of credit allowed for the same:

1. ENGLISH. A short essay on an assigned subject will be called for, with the purpose of testing accuracy in spelling, punctuation, division into paragraphs, and power of expression in clear and correct English. The candidate will also be required to give evidence of a thorough study of the subject-mat-

ter, form and structure of each of the following works: Scott's *Lady of the Lake*, Carlyle's *Essay on Burns*, *Selected Poems of Burns*, Lowell's *Vision of Sir Launfal*, the *de Coverley Papers* (Addison and Steele), Shakspeare's *Merchant of Venice*, George Eliot's *Silas Marner*, Goldsmith's *Deserted Village*, Scott's *Ivanhoe*, Coleridge's *Ancient Mariner*, Milton's *L'Allegro* and *Il Penseroso*, Macaulay's *Essay on Warren Hastings*, Shakspeare's *Julius Caesar*, Tennyson's *Idylls of the King* (Selections.) (2 units.)

2. **ELEMENTARY ALGEBRA.** This should include the following subjects: The four fundamental operations with emphasis placed on the type-forms in multiplication and division, factoring, highest common factor and lowest common multiple, fractions and fractional equations, simultaneous equations of the first degree, the binomial theorem for a positive integral exponent, evolution, theory of exponents, radicals, quadratic equations, and the solution of problems involving the various classes of equations. Emphasis should be placed on factoring and on the solution of equations. (1 unit.)

3. **PLANE GEOMETRY.** This includes the usual theorems and problems of elementary plane geometry. An important part of the work should be the solution of original exercises including problems in mensuration. (1 unit.)

4. **UNITED STATES HISTORY AND CIVIL GOVERNMENT.** Channing, and Fiske, or an equivalent. (1 unit.)

5. **GRECIAN AND ROMAN HISTORY.** Myers, or an equivalent. (1 unit.)

6. **PHYSICS.** The equivalent of one year's work, including both laboratory and text-book work. Accurate notes of the laboratory work should be kept. Gage's *Elements*, or Carhart and Chute's *High School Physics* will serve to indicate the amount of text-book study required. (1 unit.)

7. **ELEMENTARY LATIN.** For the requirements of Elementary Latin an accurate pronunciation is necessary, a thorough knowledge of regular forms and principles of syntax, a vocabulary of about fifteen hundred words, and the ability to translate easy prose at sight, and to write simple sentences. These attain-

ments can be secured from the careful study of an elementary text-book and four books of Caesar, together with daily oral or written composition, and occasional practice in sight translation. The examination in composition in 1905-1906 will be based on the second book of Caesar's Gallic War. (2 units.)

8. ADVANCED LATIN. For the requirements of Advanced Latin the ability to translate at sight simple portions of Cicero's orations and Virgil's Aeneid is necessary, familiarity with the principles of the Latin hexameter, and the ability to translate a passage of connected English based on Cicero. These attainments can be secured from the careful study of six of Cicero's orations and six books of Virgil's Aeneid, together with very thorough drill in daily oral or written composition. It is expected that a certified composition book will be presented for entrance credit. The examination in composition in 1905-1906 will be based on the oration Pro Archia. (2 units; without the composition, 1 unit.)

9. GREEK. (a) Grammar and Lessons; Anabasis, book I-III; prose composition. (2 units.)

(b) Anabasis, book IV; Iliad, books I-III; prose composition; sight reading; review of the Grammar. (1 unit.)

10. GERMAN. A knowledge of the inflections of articles, nouns, adjectives, pronouns, weak verbs and usual strong verbs; also of the use of the modal auxiliaries, the common prepositions, the simpler uses of the subjunctive, and the order of words; the reading and translation of stories and plays, such as Storm's *Immensee* and Benedix's *Der Prozess*; translation of easy English into German, translation at hearing, and pronunciation. (2 units.)

11. FRENCH. A knowledge of the essentials of grammar, including the inflections of nouns, adjectives, pronouns, regular and common irregular verbs; the use of personal pronouns and the elementary rules of syntax; ability to pronounce accurately and to read smoothly; translation of modern stories and plays, such as About's *Le Roi des Montagues* and Labiche and Martin's *Le Voyage de M. Perrichon*; translation at hearing and at sight; translation of easy English into French. (2 units.)

12. SPANISH. Grammar, Garner, Monsanto or De Tornos; reading from Matzke's Spanish Readings, Knapp's Spanish Readings, Pepita Jiminez; translation of easy English into Spanish, and simple conversation in Spanish. Special importance attached to a knowledge of Spanish verbs. (2 units.)

13. MEDIAEVAL AND MODERN HISTORY. Myers, or an equivalent. (1 unit.)

14. ENGLISH LITERATURE. Gray's Elegy and Bard; Wordsworth's Tintern Abbey, Ode on Intimations of Immortality, Ode to Duty; Keats's Eve of St. Agnes and Ode to a Nightingale; Milton's Comus, Lycidas, and Selected Sonnets; Burke's Speech on Conciliation; Shakspeare's Macbeth; Webster's Reply to Hayne (with rapid reading of Hayne's speech); Shelley's Cloud and Ode to a Skylark; Browning's Andrea del Sarto, Abl Vogler, and Rabbi Ben Ezra,—together with a similar number of other classics, such as may be acceptable to the Department of English. (2 units.)

15. (a) ADVANCED ALGEBRA. This should include the following subjects: Mathematical induction; the proof and the use of the remainder and the factor theorem; the binomial theorem for a positive integral exponent; evolution, including the extraction of any root of algebraic polynomials, and also of arithmetic numbers; theory of exponents; complex numbers; radicals, and irrational equations; theory of quadratic equations; simultaneous quadratics; inequalities; ratio, proportion and variation; arithmetic, geometric and harmonic series. Emphasis should be placed on the solution of equations by factoring, and on the demonstration of laws and principles. (1 unit.)

(b) SOLID GEOMETRY and TRIGONOMETRY. The fundamental propositions of solid geometry and especially those of spherical geometry; the development of the general formulae of elementary plane trigonometry; the theory of logarithms and the use of logarithmic tables; the numerical solution of plane triangles, and of simple problems in heights and distances. (1 unit.)

16. BOTANY. A study in the laboratory and field of types of plant groups. Drawings and notes made directly from the

specimens must be submitted as evidence of the character of the work done. A full year's work. (1 unit.)

17. ZOOLOGY. One year's work on the structure, relationship and habits of animals. Laboratory note-books with drawings will be required. (1 unit.)

18. PHYSIOLOGY. An equivalent of Martin's Human Body,—Shorter Course. (1 unit.)

19. CHEMISTRY. Laboratory and text-book work for one school year, such as outlined in Remsen's Introduction to the Study of Chemistry, or Newell's Experimental Chemistry. At least four hours per week throughout the year is required in actual laboratory practice in order to complete the amount of laboratory work desired. (1 unit.)

NOTE.—Candidates who offer subjects in Science will be required to present their note-books in the same.

## II.—Admission to Advanced Standing

Students from other institutions of recognized collegiate rank may be admitted to such standing and upon such terms as the Faculty may deem equitable, upon presentation of letters of honorable dismissal. Every such candidate is required to present a catalogue of the institution in which he has studied, with a full statement, duly certified, of the studies he has completed, including studies passed at entrance as well as those credited. The Faculty reserves the right to determine the amount of credit to be given a student upon his certificate, after a test of at least one semester.

Students offering for college credit subjects pursued in a preparatory school which are deemed the equivalent of certain subjects in the college curriculum, as, for example, trigonometry, must pass a satisfactory examination in the same before they may receive credit therefor toward the one hundred twenty hours required for a degree.

## III.—Admission as Special Students

Persons who are mature and who wish to devote their time to special work in one department, or in one subject, with its related branches, may be admitted as special students. They are

not candidates for a degree, but may become so by satisfying the entrance requirements for a regular course. Special students are subject to the same regulations as regular undergraduates, and failure to maintain a good standing will work forfeiture of their privileges.

Special students, on leaving the College, will be granted letters of dismissal certifying the studies they have pursued, and their recorded grades.

## STANDING AND GRADUATION

### Registration

On the first day of each semester, which is Registration Day, each student must register at the Registrar's office, and must secure a *study card* for selection of studies for the semester. This card, properly filled out and approved by the Registrar, must be filed in the office not later than one week from Registration Day; but late study cards will be accepted upon payment of a special fee of one dollar. A student desiring to enter any class must present his study card to the instructor for enrollment.

Students entering for the first time should present their credentials to the Registrar for credit and entry; otherwise they will be required to pass examinations in the subjects necessary for admission to the class desired. In the choice of studies, all work necessary to remove conditions must be provided for first; and *required* studies should take precedence of elective studies.

### Graduation

The College of Liberal Arts now offers as many courses from which the student may elect as there are departments in which a major is offered.

Each course the student may pursue is designed to give a liberal education and leads to the degree Bachelor of Arts (A. B.)

The student must complete one hundred twenty semester hours



of college work, including the *required* studies and a *major* in one department.

A semester-hour means one exercise a week throughout a semester. It is intended that each hour of credit shall represent, for the average student, one hour of recitation or lecture, and two hours of preparation or subsequent reading per week, or an equivalent amount of work in laboratory courses.

Fifteen hours per week of recitations or lectures, or their equivalent in laboratory work, constitute an average semester's work. Students may register for as few as *thirteen* or as many as *eighteen* hours by making application to the Registrar.

### Required Studies

In all the courses in which the student is a candidate for the bachelor's degree he must complete work as follows:

ENGLISH, one year, four hours.

SCIENCE, one year, eight or ten hours. (The course elected may be in Chemistry, Zoology, Physics or Botany.)

MATHEMATICS, one year, six hours.

PHILOSOPHY, one year, six hours.

LANGUAGE, two years, fourteen hours. (The courses elected may be in Latin, Greek, German, French or Spanish.)

The Freshman year should be devoted to the completion of thirty hours of these *required* subjects.

### Major Subject

Each undergraduate student must select the work of some one department as his *major* subject. The selection may well be deferred until the beginning of the second year. The requirements for major work are stated under the courses of instruction in the departments in which a major is offered.

The major subject may be changed with the approval of the professors of the old and new subjects, provided the student is able to meet the requirements of the new major.

### Elective Studies

All of the remaining work required for graduation is elective. The professor in charge of the major subject selected by any student, together with the President of the University, act as



advisers to the student in the selection of such subjects as will bear some useful relation to the course he is pursuing.

### Classification of Students

Students who have no entrance conditions, and who have completed twenty-four semester-hours of the Freshman year, will be classed as Sophomores.

Those who have completed the work required for the Freshman year, and twenty-four semester-hours of the Sophomore year, will be classed as Juniors.

Those who have completed eighty-eight semester-hours will be classed as Seniors.

Students who have completed one hundred and twenty semester-hours, including all *required* work, and a *major* in one department, will be entitled to receive the degree of Bachelor of Arts.

### Absence from Exercises

1. Excuse must be rendered for all absences from required exercises. 2. A student who is absent during a semester from more than one-tenth of the whole number of recitations or laboratory periods held in any subject shall be required to pass a special examination in that subject. 3. A student who is absent from more than one-sixth of the whole number of recitations or laboratory periods held during a semester in any subject shall have his registration in that subject canceled. If, however, a student whose registration has been canceled can show sufficient cause for his absence, and if his previous standing be such as to indicate that he can make up his loss and maintain a suitable quality of work in the subject, he may have his registration restored by presenting his case to the Faculty.

In applying this rule absence from the first or last recitation in a study, or consecutive absences in which either the first or last recitation is included, will be counted each as two absences.

4. Students are required to attend a minimum of three-fourths of all chapel exercises.

### Examinations and Grades

At the close of each semester the regular examinations are held in the studies of the semester. After the examinations a report is sent to the parent or guardian of each student, giving his standing in his studies for the semester. The general character of the work of each student in each study is indicated by his assignment to one of four grades,—grade 1 denoting the highest excellence, and grade 4, failure to pass.

A student whose work in a subject is marked conditioned or incomplete is delinquent in that subject. Such delinquency must be made up, in such manner as the instructor may determine, on or before the tenth Saturday of the semester next after that in which the delinquency occurs. If the delinquency be not thus made up, the student will be required to take the subject again with a class before he may receive credit for the same. A fourth grade may be removed only by taking the subject in class again.

The co-operation of parents with the Faculty is earnestly solicited, in their efforts to maintain a high standard of scholarship and deportment, and to promote the welfare of all entrusted to their care.

### Master's Degree

The degree of Master of Arts (A. M.) is conferred upon graduates of the College of Liberal Arts of the University and upon others who have had an equivalent training elsewhere on completion of an approved course of graduate study equivalent to thirty semester hours.

Candidates who pursue this advanced study in residence at the University may receive the degree as early as one year after graduation. Those who do not pursue the study in residence may receive the degree not earlier than two years after graduation.

At least sixteen semester-hours of the work offered for the Master's degree must be chosen from one department, in which the candidate has previously completed the undergraduate *major* work, or an equivalent. This advanced work will be the *major*

subject. Six semester hours must be taken in some department other than the major. This will be the *minor* subject. The remainder of the work may be chosen from any department approved by the Faculty.

The Master's degree may designate the special course pursued—e. g., Master of Arts in Science.

Resident candidates must register not later than the first Tuesday in October next preceding the date of the final examination. Non-resident candidates must register one year earlier.

A thesis embodying the results of investigation on an approved subject in the major department must be submitted and be approved by the major professor before the candidate may be recommended for a degree.

The subject of the thesis must be submitted to the Faculty for approval through the major professor not later than January 10, and the completed thesis not later than the last Saturday in May, of the year in which the degree is desired. The thesis must be typewritten on paper 8 x 10 inches in size, and a copy of the same deposited in the Library.

### Expenses

The charges in the Treasurer's bill are as follows:

Tuition, per semester, payable in advance....	\$35.00
Same for two studies .....	25.00
Same for single study .....	17.00
(Gymnasium fee, and instruction in physical education included in the above.)	
Gymnasium fee, and instruction in physical education taken without other studies.....	6.00
Registration fee, included in above but not subject to rebate .....	5.00
Laboratory fee, per semester:	
General Chemistry .....	7.00
Analytical Chemistry .....	7.00
Quantitative Chemistry .....	7.00
Assaying .....	30.00 to 50.00

Advanced Physics .....	4.00
General Biology .....	4.00
Advanced Zoology .....	4.00
Advanced Botany .....	4.00
Advanced Physiology .....	4.00
Bacteriology .....	5.00

An account is kept of breakage and an additional charge made therefor.

An additional deposit of \$5.00 to cover breakage, is required in Chemistry. This deposit, less cost of breakage, is refunded at the end of the semester.

Students who are recommended by a quarterly conference as acceptable candidates for the ministry; young women who are recommended for the work of deaconess by a quarterly conference and by the Conference Board of Deaconesses; and the sons and daughters of ministers in the regular work of any evangelical denomination, may have their tuition fee reduced to one-half the regular rate.

A discount of ten per cent. will be allowed on the *second* semester, when the tuition fees for the whole year are paid in advance; also a discount of ten per cent. when two or more students enter from the same family.

No rebate will be allowed for absence of less than half a semester.

A diploma fee of five dollars is charged all who receive the Bachelor's or the Master's degree.

Board and furnished rooms can be secured in private families at from three dollars to five dollars per week. Furnished rooms accommodating two students cost from four to eight dollars per month.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the college for want of money.

## COURSES OF INSTRUCTION

### BIBLE

PROFESSOR FRANK G. H. STEVENS.

I. THE PENTATEUCH AND HISTORICAL BOOKS OF THE OLD TESTAMENT. Ethnic Cosmogonies; Semitic Tradition; Hebrew Archaeology; Comparative Ethics; Politics and Religion. *One hour, both semesters.*

II. THE PROPHETIC AND WISDOM BOOKS OF THE OLD TESTAMENT. Literary forms; connection of Israel's history with that of contemporary nations; Messianic prophecy and other relevant topics. *One hour, both semesters.*

III. THE GOSPEL HISTORY. The social, political and religious life of the opening of the Christian era; the supernatural in the person and ministry of Christ; Christian Ethics. *One hour, both semesters.*

IV. THE APOSTOLIC HISTORY AND LITERATURE. Questions that agitated the Apostolic Church in conflict with Judaism, the Roman Government, and current systems of Philosophy. *One hour, both semesters.*

V. A GENERAL VIEW OF THE BIBLE. A course of lectures by prominent gentlemen of Los Angeles and vicinity before the students of the College. These lectures will treat of the archaeological, historical, prophetic, ethical, religious, literary, musical, legal, and other phases of the Bible.

### BIOLOGY

PROFESSOR ALBERT B. ULREY.

INSTRUCTOR NELLE LANCASTER.

LABORATORY ASSISTANT, ORWYN W. E. COOK.

The student of biology endeavors to know animals and plants as complete, living organisms; the structure and functions of the parts; the development and life-habits; their action on environ-

ment and their modification by environment; their likenesses and differences.

This study of the laws of life by actual contact with living things cultivates in the student the power of observation and analysis. It enlarges his mental horizon and gives him not only a clearer conception of plants and animals, but also a knowledge of some of the fundamental principles of society and social institutions.

## Zoology

I. GENERAL ZOOLOGY. Laboratory study of representative types of invertebrate and vertebrate animals from the simplest to the most complex. A series of lectures co-ordinating the laboratory work and dealing with the general problems of biology. The course includes a study of animal structure, functions, relationships and adaptation to environment. The student receives instruction in the use of the microscope, dissecting apparatus, and is directed in the study of animals in their native environment. Eight hours laboratory work and lectures per week, throughout the year. *Four hours, both semesters.*

II. HISTOLOGY. The microscopical anatomy of animal tissues. Methods of preparation of tissues with practice in fixing, sectioning, staining and mounting for microscopical study. The structure of tissues is studied in relation to their functional activities. Laboratory work, lectures and recitations eight hours per week, one semester. Prerequisite Course I. *Four hours, one semester.*

III. EMBRYOLOGY. The general course of development of one of the higher vertebrates. Special study of the early stages of development of the organs. Embryological methods and practice in serial sectioning. The lectures deal with the general problems of embryology. Eight hours per week, one semester. Prerequisites Zoology I and II. *Four hours, one semester.*

IV. PHYSIOLOGY. Lectures, laboratory work and recitations on the activities of living organisms in general. Special study of the physiology of the human body. Eight hours per week,



one semester. Prerequisites Zoology I or Botany I. *Four hours, one semester.*

V. ANATOMY OF VERTEBRATES. Dissection of some of the higher vertebrates; quizzes, recitations and lectures. The course is primarily for preparatory medical students. Eight hours per week are required in the laboratory, one semester. Prerequisite Zoology I. *Four hours, one semester.*

VI. SYSTEMATIC ZOOLOGY. The course deals with certain groups of vertebrates with special reference to morphology and relationships. Laboratory study, field work and lectures. Six hours per week, one semester. Prerequisite Zoology I. *Three hours, one semester.*

VII. SPECIAL ZOOLOGY. Investigation of some topic of limited scope. This course is planned to meet the needs of each student prepared to pursue it. Six hours per week, throughout the year.

Prerequisites Zoology I, II, III, IV and V, or their equivalent. *Three hours, both semesters.*

### Botany

I. GENERAL BOTANY. The course comprises a study of typical plants representing the vegetable kingdom. The first semester is devoted to cryptogams, the second semester to spermatophytes. Laboratory study, field work and lectures. Eight hours per week, throughout the year. *Four hours, both semesters.*

II. VEGETABLE HISTOLOGY. The minute structure of the tissues of plants. Microscopical methods of preparing permanent mounts; imbedding, sectioning and staining. Laboratory work and lectures. Eight hours per week, one semester. Prerequisite Botany I. *Four hours, one semester.*

III. VEGETABLE PHYSIOLOGY. Experimental work on the physiology of plants, lectures and supplementary reading. Six hours per week, one semester. Prerequisite Botany I. *Three hours, one semester.*

IV. ECOLOGY AND TAXONOMY. A study of flowering plants (spermatophytes) in the local flora. The course deals with the relationships of plants to their environment and affinities indicated by their structure. Six hours per week, one semester. Prerequisite Botany I. *Three hours, one semester.*



### General Biology

I. BACTERIOLOGY. The course consists of a study in the laboratory and by means of lectures of the nature of the bacterial organism; its relation to disease, methods of cultivating and isolating non-pathogenic and pathogenic forms; inoculation experiments, staining of sections, examination of water, etc. Eight hours per week, one semester. Prerequisites Zoology I or Botany I. *Four hours, one semester.*

II. BIONOMICS. A course of lectures dealing with the general principles of biology. The problems of inheritance, development and sex are considered from the cytological standpoint throughout the first semester. Variation, heredity, selection, regeneration and kindred topics are studied during the second semester. Two hours per week, throughout the year. Prerequisites Zoology I or Botany I. *Two hours, both semesters.*

III. HYGIENE AND SANITARY SCIENCE. A course of lectures and laboratory demonstrations on (a) the improvement and preservation of health, and (b) the applications of science in the home. Open to all students. *Two hours, one semester.*

IV. NATURE STUDY. A series of lectures and lessons on the study of living objects. The course affords opportunity for the student to learn something of the more common objects of nature and how to study them profitably. Open to all students. *Two hours, one semester.*

V. EXPERIMENTAL BIOLOGY. The course consists of a series of experiments on organisms to determine their response to conditions varied from those normal to the plant or animal. (a) Variation; (b) Hybridization; (c) Regeneration. The work must be continued throughout one or two years. It may be made the basis for a graduation thesis. Prerequisite, six semesters of Zoology and Botany. *Three hours, both semesters.*

VI. BIOLOGICAL SEMINARY. Occasional meetings of the students and instructors of the department to consider reports of special investigation on certain subjects and the recent literature of biology.

Courses I in Zoology, Botany and General Biology will be offered each year. Other courses will be given as the time of the instructors will permit and the needs of the students present require them.

Medical preparatory students should elect Zoology I-V, Botany I, General Biology I and II.

Major Work: (a) *Zoology*, Courses I-IV and V, or VI or VII; General Biology II.

(b) *Botany*, Courses I-IV; General Biology I and II.

## CHEMISTRY

PROFESSOR LAIRD JOSEPH STABLER.

INSTRUCTOR ERWIN H. MILLER.

LABORATORY ASSISTANT, EDWARD A. HENDERSON.

Courses I, II, III and IV are prerequisites to all other courses in Chemistry.

In all laboratory courses except Course XI, a laboratory deposit of twelve dollars per semester for each course is required. Of these charges five dollars per semester, less breakage, is returnable at the end of the course. In Course XI a fee of twenty dollars is charged, and in addition a deposit of ten to thirty dollars is required to cover cost of materials consumed.

I. GENERAL INORGANIC CHEMISTRY—NON-METALS. Lectures and recitations, with illustrative experiments and study of a manual. Jones' Principles of Inorganic Chemistry. Usual prerequisite, Matriculation Chemistry. To be taken in connection with Course III. *Three hours, first semester.*

II. GENERAL INORGANIC CHEMISTRY—METALS. A continuation of Course I, together with an introduction to the study of Qualitative Analysis. To be taken in connection with Course IV. *Three hours, second semester.*

III. GENERAL INORGANIC CHEMISTRY—LABORATORY. A series of experiments illustrating the general laws of chemical action, and designed to supplement Course I and be taken in connection with it. Laboratory Guide, Alexander Smith's Outline of Gen-

eral Chemistry. Six hours per week in the laboratory. *Two hours, first semester.*

IV. QUALITATIVE ANALYSIS. A laboratory course in elementary qualitative analysis, with occasional lectures and recitations. Prescott's Qualitative Analysis. Six hours per week in the laboratory. *Two hours, second semester.*

V. QUANTITATIVE ANALYSIS. Laboratory practice in gravimetric and volumetric determinations, with occasional lectures and recitations. Cheever-Smith's Select Methods. Nine hours per week in the laboratory. *Three hours, first semester.*

VI. ADVANCED QUALITATIVE ANALYSIS. A laboratory course involving difficult qualitative separations, and the separation and detection of some of the rare elements. Weekly lectures and discussions. Prescott and Johnson's Qualitative Chemical Analysis is recommended for reference. *Three to five hours, second semester.*

VII. ORGANIC CHEMISTRY. Lectures and recitations on the chemistry of the carbon compounds. Remsen's Organic Chemistry. *Two hours, both semesters.*

VIII. MINERAL ANALYSIS. Gravimetric and volumetric analysis of representative minerals, ores and alloys. Prerequisite, Course V. *Four or five hours, either semester.*

IX. QUANTITATIVE ANALYSIS OF AGRICULTURAL PRODUCTS. Systematic analysis of fertilizers, dairy products, etc. Prerequisite, Course V. *Four or five hours, either semester.*

X. MEDICAL CHEMISTRY. A laboratory course, including urine analysis, toxicology and food analysis. Designed especially for students looking forward to medicine or pharmacy as a career. Open to students who have completed or are taking courses V and VII. *Three hours, either semester.*

XI. ASSAYING. This course comprises silver and gold extraction by scorification and crucible methods; fire assay of copper, lead and tin, extraction of gold from ores by the amalgamation, the chlorination, the cyanide and the electrolytic processes. *Two hours, either semester.*

MAJOR WORK: Sixteen semester hours in addition to courses I-IV.

## DRAWING

PROFESSOR BERTHA M. RUNDSTROM.

I. FREEHAND DRAWING. An elementary course of nine hours a week in drawing from casts and natural objects in charcoal. *Three hours, first semester.*

II. INSTRUMENTAL DRAWING. An elementary course of nine hours a week, including descriptive geometry, problems in line and plane, and linear perspective. *Three hours, second semester.*

III. FREEHAND DRAWING. A course in drawing from objects and life in charcoal; color, and wash drawing. Nine hours per week. Prerequisite, Course I. *Three hours, first semester.*

IV. INSTRUMENTAL DRAWING. Including isometric projection, penetration of planes and solids, graphostatics, and stereotomy. Nine hours per week. Prerequisite, Course II. *Three hours, second semester.*

V. ARCHITECTURAL DRAWING. An advanced course for students studying architecture or engineering. Nine hours per week. *Three hours, both semesters.*

## ENGLISH

PROFESSOR HARRY TORSEY BAKER.

ASSOCIATE PROFESSOR STELLA W. MORGAN.

I. ENGLISH COMPOSITION AND RHETORIC. Genung's Working Principles of Rhetoric, Lewis's Specimens of the Forms of Discourse. Special attention is given to essays in Exposition and Argumentation; and, later in the year, to style. This course is required of Freshmen. *Two hours, both semesters.* Professor Baker.

II. GENERAL INTRODUCTION TO ENGLISH LITERATURE. Moody and Lovett's History of English Literature, with lectures. The second semester is devoted to class-room study of literary masterpieces, including Chaucer's Prologue to the Canterbury Tales, the Nonnes Preestes Tale, and Shakspeare's Hamlet. Throughout the year, each member of the class pursues a brief course of collateral reading in Winchester's Five Short Courses of Reading in English Literature, choosing any one of the following periods: 1559-1674 (Marlowe to Milton, inclusive); 1660-1745

(Dryden, Swift, etc.); 1745-1789 (Gray to Burns, inclusive); 1789-1832 (Wordsworth to Keats, inclusive); 1832-1880 (Carlyle to Tennyson, inclusive). Courses IV, V, VI, VII, VIII, XI, XII, XIII and XIV are elective only for those who have taken, or are taking, Course II. *Two hours, both semesters.* Professor Baker.

III. GENERAL INTRODUCTION TO AMERICAN LITERATURE. Bronson's Short History of American Literature, with assigned readings and reports. *Three hours, first semester.* Miss Morgan.

IV. THE SHORT-STORY. Jessup and Canby's Book of the Short Story, Cody's World's Greatest Short Stories, with lectures. For collateral reading, Brander Matthews's Philosophy of the Short-story is recommended. Typical short-stories, after the model originated by Poe, are the main object of study, special attention being given to style. A considerable number are assigned for private reading, in addition to those which are discussed in the class-room. Each member of the class also writes one original story. *Two hours, first semester.* Professor Baker.

V. THE TECHNIQUE OF THE ENGLISH NOVEL. Analysis of one of George Eliot's or Thackeray's works, with comparative study of other novels. Lectures, with required reports based on critical reading. *Two hours, second semester.* Miss Morgan.

VI. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Byron, Shelley, Keats. The influence of the French Revolution is an especial object of attention. Lectures, with biographical study and critical reading. *Two hours, both semesters.* Professor Baker.

VII. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson, with especial attention to Browning. The religious unrest of the period is a main point of investigation throughout the year. Lectures, with biographical study and critical reading. *Three hours, both semesters.* Professor Baker.

\*[VIII. ENGLISH LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Pope. *Three hours, both semesters.*] Professor Baker.

\*[IX. OLD ENGLISH. Bright's Anglo-Saxon Reader, with preliminary study of grammar. *Two hours, first semester.*] Professor Baker.

\*[X. CHAUCER. Most of the Canterbury Tales and many of the minor poems are read, with attention to literary interpretation as well as grammatical and philological study. Prerequisite, Course IX. *Two hours, second semester.*] Professor Baker.

XI. PRE-SHAKSPEREAN DRAMA. Manly's Specimens of Pre-Shaksperean Drama, Vols. I and II. Lectures on the History of the Drama, with critical reading of plays. *Two hours, first semester.* Miss Morgan.

XII. SHAKSPERE. Dowden's Shakspeare Primer, As You Like It, Henry IV, Hamlet, A Winter's Tale, with especial attention to Hamlet. Critical reading, with assigned essays on each play. Literary appreciation is particularly sought. For supplementary study, Sidney Lee's Life of William Shakspeare is recommended. *Three hours, second semester.* Professor Baker.

\*[XIII. COMPARATIVE STUDY OF THE DRAMA. Specimens of the Greek, Roman, English, French, and German Drama, in English. Lectures, with critical reading. *Two hours, first semester.*] Miss Morgan.

\*[XIV. PRINCIPLES OF LITERARY CRITICISM. Winchester's Principles of Literary Criticism, with lectures on the History of Criticism. This course is open to advanced students only. *One hour, both semesters.*] Professor Baker.

XV. SEMINAR: METHODS OF TEACHING ENGLISH IN SECONDARY SCHOOLS. Chubb's Teaching of English, with supplementary reading in Carpenter, Baker and Scott's Teaching of English. Discussion of special methods in English Composition and Rhetoric, and the English classics required for admission to the University. This course is for advanced students who expect to teach English. *Two hours, second semester.* Miss Morgan.

MAJOR WORK: Thirty semester hours.

#### GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

\*Omitted in 1904-05.



## FRENCH

PROFESSOR MARGARET GRAHAM BORTHWICK.

I. FRASER AND SQUAIR'S FRENCH GRAMMAR.—The essentials of grammar; exercises in pronunciation, reading, translation and composition. Duma's *La Tulipe Noire* and Labiche's *Le Voyage de Monsieur Perrichon* will be read in the second semester. *Four hours, both semesters.*

Course I is intended for students in the College who wish to begin the study of French. It covers the ground of preparatory subject II.

II. (a) MODERN FRENCH READING.—Daudet, *Lettres de mon Moulin*, or *Tartarin de Tarascon*; Balzac, *Eugenie Grandet*; Super, *Readings from French History*; Victor Hugo, *Hernani*.

(b) GRAMMAR AND COMPOSITION.—Frazer and Squair's *French Grammar*.

(c) PRIVATE READING of selected works, with reports.

Open to students who have completed Course I, or its equivalent, or who have credit for entrance requirement II. *Three hours, both semesters.*

III. CLASSICAL LITERATURE OF THE SEVENTEENTH CENTURY.—Corneille, *Le Cid*, Horace; Racine, *Esther*; Moliere, *L'Avare*, *Les Precieuses Ridicules*. Collateral readings, dictations and short lectures on the classical literature. Open to students who have completed Course II. *Two hours, both semesters.*

NOTE—French III is given alternately with German IV, and will not be given in 1905-06.

## GEOLOGY

Professor .....

I. GENERAL GEOLOGY.—Study of a text, with observations on rocks and fossils from museum specimens and field excursions. *Two hours, both semesters.*

II. MINERALOGY.—Laboratory work, with blow-pipe analysis and chemical tests for minerals. Lectures and readings. *Two hours, both semesters.*



## GERMAN

PROFESSOR MARGARET GRAHAM BORTHWICK.

I. JOYNES-MEISSNER'S GERMAN GRAMMAR.—Selected readings in German prose and poetry. Wesselhoeft's German Composition, Parts I and II. This course includes the essentials of German grammar, with numerous exercises in composition, translation at hearing, reading of literature in the form of easy stories and plays, with some practice in translation at sight and memorizing. *Four hours, both semesters.*

Course I is intended for students in the College who wish to begin the study of German. It covers the ground of preparatory subject 10.

II. (a) SCHILLER.—Wilhelm Tell.

GOETHE.—Hermann und Dorothea.

LESSING.—Minna von Barnhelm. Reference readings on the lines of the authors studied.

(b) GERMAN NOVELLETTES.—Rapid reading, reading at sight and free reproduction.

COMPOSITION AND GRAMMAR.—Grammar continued from Course I. Harris' German Composition. Open to students who have completed Course I, or its equivalent, or who have credit for entrance requirement 10. *Three hours, both semesters.*

III. SCIENTIFIC AND JOURNALISTIC GERMAN.—German Science Reader. Prehn's Journalistic German. Special assigned reading of scientific monographs. Exercises in composition. Open to students whose Major is in science and who have completed Course I. *Two hours, both semesters.*

IV. NINETEENTH CENTURY GERMAN.—Selections from the works of Grillparzer, Ludwig and Scheffel. Open to students who have completed Course II. *Two hours, both semesters.*

NOTE—German IV alternates with French III, and will be given in 1905-06.

## GREEK

PROFESSOR FESTUS EDWARD OWEN.

A. (a) Homer's Iliad I-III. (b) Prose Composition. (c) Sight translation. Review of the Grammar. *Four hours, both semesters.*

Course A is intended for students who offer only two years of Greek for entrance.

Provision will also be made for students who enter without Greek, but who wish to begin the language in college. Such students are required to do two years' work in preparation for Courses I and II.

I. Six books of the Odyssey. Studies in Homeric Language and Verse. Lectures on Homeric life. Sight reading. *Four hours, first semester.*

II. LYSIAS.—Selected orations. Grammar and Prose Compositions. General view of Greek oratory through lectures. *Four hours, second semester.*

III. PLATO.—Apology and Crito. Lectures on Greek Philosophy, and its relation to modern thought. Elective for Sophomores. *Three hours, first semester.*

IV. (a) SOPHOCLES.—Antigone. Lectures on the Greek Drama and Theatre. (b) DEMOSTHENES. De Corona. Syntax and Composition. *Three hours, second semester.*

V. (a) EURIPIDES.—Alcestis.

(b) SOPHOCLES.—Philoctetes.

(c) AESCHYLUS.—Prometheus Bound.

A careful study of the development of the Greek Drama will be made through lectures and assigned readings, together with a consideration of the place of the Drama in Greek Literature as a whole. *Three hours, both semesters.*

VI. PLATO.—Gorgias, Protagoras. ARISTOPHANES.—Clouds. *Three hours, both semesters.*

VII. HISTORY OF GREEK LITERATURE FROM HOMER TO THEOCRITUS.

This course consists of lectures, and recitations based on trans-

lations together with papers on assigned topics. No knowledge of Greek is required. Jebb's "Primer of Greek Literature," and Mahaffy's "Old Greek Life" will be used as general guides. The aim is to secure familiarity with the great masterpieces of Greek Literature as well as to gain a comprehensive grasp of the important facts of its history. This course is especially important to those who expect to specialize in, or to teach English Literature. Open to all students. *Two hours, both semesters.*

VIII. NEW TESTAMENT GREEK. Readings from The Gospel of St. John with special attention to word-meanings together with informal lectures on the place of Biblical Greek in the history of the Greek language. *One hour, first semester.*

MAJOR WORK: Courses I-VI. Course VII may be substituted for VI by special permission, with added work in research sufficient to give credit of six semester hours for the whole course.

## HISTORY AND ECONOMICS

PROFESSOR JAMES HARMON HOOSE.

ASSOCIATE PROFESSOR TULLY CLEON KNOLES.

### POINT OF VIEW OF THE COURSES IN HISTORY.

History is an account of ideas and institutions in movement, rather than an account of personalities and events. Ideas are thoughtful experience embodied in definitions or in documents; they change in form and content as experience varies under different conditions. Personalities are the agents who exploit ideas. Events are reactions among ideas and personalities. Institutions are ideas formulated in practice to serve the purpose of human living. Civilization is the sum total of ideas and institutions which exist at any given period of time upon any given portions of the earth—i. e., civilization is the evolution of ideas and institutions.

I. MEDIAEVAL EUROPE.—From A. D. 375 to 1789. Text-books: Emerton's "Introduction to the Middle Ages;" Emerton's "Mediaeval Europe." Lectures. Pre-requisite to Courses II, III and IV. *Three hours, both semesters.* Mr. Knoles.

II. MODERN CONTINENTAL EUROPE.—Selected periods, including the French Revolution, and the Organization of the German Empire. Text-books; Lowell's "Eve of the French Revolution;" Andrews' "Historical Development of Modern Europe." Lectures. *Three hours, both semesters.* Mr. Knoles.

III. ENGLISH CONSTITUTIONAL HISTORY.—Text-books: Gardiner's "Student's History of England;" "Constitutional Essays," by Wakeman and Hassal; Boutmy's "English Constitution." *Three hours, both semesters.* Mr. Knoles.

IV. CONSTITUTIONAL AND INSTITUTIONAL HISTORY.—Text books: Bryce's "American Commonwealth;" Lowell's "Government and Parties in Continental Europe." *Three hours, both semesters.* Professor Hoose.

Lectures and readings accompany the recitations in each course.

MAJOR WORK: Courses I to IV, inclusive.

#### POINT OF VIEW OF THE COURSES IN ECONOMICS.

The science of economics inquires into the sources and nature of wealth, and the relations which it sustains to individual, social, civil and national well-being. This science investigates the principles and laws that are evolved by industrial, commercial, and social conditions. Economics discusses the inventions and forms which human energies have put forth to subordinate and utilize the forces of nature in order that they may serve the needs, comforts and luxuries of society. Special attention is given to financial systems.

I. ECONOMICS.—Selected subjects. Text-books: Ely's Economics; Hobson's Evolution of Modern Capitalism; Hepburn's Contest for Sound Money, and other standard works. Seminary, lectures. *Three hours, both semesters.* Mr. Knoles.

II. SOCIAL SCIENCE.—Selected subjects in practical social science. Text-books, lectures, investigations. *One hour, both semesters.* Mr. Knoles.

## LATIN

PROFESSOR ROY EDWIN SCHULZ.

I. (a) CICERO.—De Senectute. Careful interpretation of the text with practice in reading aloud with proper phrasing and emphasis without translation, and in translation at hearing.

(b) VERGIL.—Eclogues. Lectures will be given on Theocritus and his influence on Vergil, and selections from the Idylls will be read in translation. A careful review of the hexameter serves as an introduction to the prosody of Horace. *Three hours, first semester.*

II. HORACE.—Odes and Epodes. Style and subject matter. Metrical reading. Lectures on the Augustan Age and Horace's contemporaries. Selections from the Satires and Epistles will be read as time permits. *Three hours, second semester.*

III. LATIN PROSE COMPOSITION.—A complete review of syntax followed by composition based on Pliny's Letters. Word-formation and synonyms studied. Sentence structure and style. The course is strongly recommended to all registered for Courses I and II. *Two hours, both semesters.*

IV. LATIN COMEDY.—During the semester at least one play of Terence and two of Plautus will be read. Lectures on the development of Roman Comedy, and on Roman Life. During 1904 Terence's *Andria* was read with special reference to early forms, meter, etc., followed by Plautus' *Menaechmi* and *Trinummus*. *Three hours, first semester.*

V. LIVY.—Books XXI and XXII. Lectures on the history and literature of the period of foreign conquest. Selections from the other books will be read as time permits. *Three hours, second semester.*

VI. CICERO.—Letters. Lectures on the history of the Republic from B. C. 133 with special reference to contemporary events. *Two hours, first semester.*

VII. TACITUS.—Agricola and Germania, or selections from the Annals. Lectures on the history and literature of the early empire. *Two hours, second semester.*

VIII. ADVANCED LATIN PROSE COMPOSITION.—Cicero's Second Philippic is read and the composition based upon it. Writing of essays and letters in Latin. Translation of passages from English writers. The style of Cicero, Livy and Tacitus studied and compared. *One hour, both semesters.*

IX. HISTORY OF LATIN LITERATURE.—Lectures on Latin Literature from Livius Andronicus to Boethius, with the interpretation of selections from all prominent authors. The course does not require a knowledge of Latin, and is open to students of all departments. *Two hours, both semesters.*

X. ROMAN PHILOSOPHY:

(a) CICERO.—Selections from his philosophical works.

(b) LUCRETIUS.—De Rerum Natura. Selections.

Lectures on the development of Greek and Roman Philosophy. *Two hours, first semester.*

XI. LATIN ELEGIAC POETRY.—Catullus, Ovid, Propertius and Tibullus. Selections. Studied largely with reference to thought and artistic form. *Two hours, second semester.*

XII. TEACHER'S COURSE.—Lectures on the Pedagogical Value of Latin, the work of the four years in the secondary school, the place of Composition, Prosody, History, etc., in the study of Latin. Visiting and reports from secondary schools in the vicinity of Los Angeles. Practice in teaching in the preparatory school of the University. Prerequisite, Philosophy I.

Open to Juniors and Seniors. *Two hours, first semester.*

MAJOR WORK: Thirty semester hours, including III, VIII and IX.

## MATHEMATICS

PROFESSOR PAUL, ARNOLD.

I. ALGEBRA.—Lecture and Text-book course. Mathematical induction, equivalent equations, surds and complex numbers, theory of quadratic equations, simultaneous quadratic and higher equations, ratio, proportion, variation, the progressions and other simple series, inequalities, permutations and combinations, the



binomial theorem for any exponent, limits and infinite series, determinants, theory of equations.

In the lectures a careful study of the theory and development of Algebra from the very beginning is taken up, and proofs are given of all the fundamental laws. *Two hours, both semesters.*

II. SOLID AND SPHERICAL GEOMETRY.—The fundamental propositions of the Euclidean geometry of space. *Three hours, first semester.*

III. TRIGONOMETRY.—Plane trigonometry and its applications, the trigonometry of the right spherical triangle, and logarithms. *Three hours, second semester.*

IV. PLANE ANALYTIC GEOMETRY.—The analytic geometry of the straight line, the circle, and the conic sections, including a discussion of the general equation of the second degree, and some special examples in higher loci. *Three hours, first semester.*

V. DIFFERENTIAL CALCULUS.—Development of the fundamental principles and formulas, applications to various problems in geometry and analysis. *Three hours, second semester.*

VI. DIFFERENTIAL AND INTEGRAL CALCULUS.—Advanced course. *Three hours, both semesters.*

VII. DIFFERENTIAL EQUATIONS.—*Three hours, both semesters.*

VIII. CONTINUOUS GROUPS.—Based on the lectures of Sophus Lie. *Two hours, both semesters.*

IX. DESCRIPTIVE ASTRONOMY.—A general course, requiring only the mathematics of Courses I-III. Open to students in the last two years of the college course. *Two hours, both semesters.*

MAJOR WORK: Twenty-four semester hours.

## MUSIC

DEAN WALTER FISHER SKEELE.

Students who take harmony and theory, or advanced instrumental or vocal work in the College of Music may be allowed college credit for the same, but the credit shall in no case exceed eight semester hours, and will be given only upon the recommendation of the Dean of the College of Music.



## ORATORY

PROFESSOR BEULAH WRIGHT.

PROFESSOR NELYE M. DICKSON.

## I. VOCAL EXPRESSION :

(a) Lectures, and practice in voice building and tone placing. Expression of the body. Interpretation of literature from the Text. *Two hours, first semester.*

(b) Advanced vocal training and interpretative work from modern writers. Kipling, Van Dyke, Stevenson, Maclaren and others. *Two hours, second semester.*

II. PUBLIC SPEAKING.—Extemporaneous work. Preparation and delivery of short speeches, such as talks on current public questions, toasts, and after-dinner speeches. Debate. *Two hours, both semesters.*

III. ORATORY.—A study of masterpieces of oratory. Sears' History of Oratory and Modern Eloquence. The preparation and delivery of one original oration. Bible and Hymn Reading. Curry's Vocal and Literary Interpretation of the Bible. *Two hours, both semesters.*

## IV. VOCAL INTERPRETATION :

(a) Lyric Poems. Training of the Imagination. Studies in Tennyson, Burns, Browning, Wordsworth and others. *Two hours, first semester.*

(b) Shakespeare; Julius Caesar or Hamlet; As You Like It or Much Ado About Nothing. *Two hours, second semester.*

Provision is made for a special class in the principles of Expression, for those students who enter the college without the required Preparatory School work.

This is an elementary course of two hours for one semester; no college credit will be allowed for it.

Students elect the above courses at their expense. (See College of Oratory.)

## PHILOSOPHY

PROFESSOR JAMES HARMON HOOSE.

I. PSYCHOLOGY.—The aim in this subject is to acquaint the student with what is valuable in the investigations in Mental Science. Text-books, lectures, and original investigations. Prerequisite to Courses III, IV, V, VI, VII and VIII. This course is the *required* work in Philosophy. *Three hours, both semesters.*

II. LOGIC.—The elements in this subject are given in Jevons' Logic, with practical exercises. *Two hours, first semester.*

III. ETHICS.—A study of ethical principles from the ordinary philosophic standpoints. *Two hours, first semester.*

IV. THEISM.—A study of the subject as given in Iverach. Lectures. *Two hours, second semester.*

V. HISTORY OF PHILOSOPHY.—Weber's History of Philosophy, and Ueberweg's History of Philosophy, covering the ancient Greek Philosophy. Prerequisite for Course VII. *Three hours, first semester.*

VI. HISTORY OF PHILOSOPHY.—Modern Philosophy, with readings from the more important philosophers. Prerequisite for Course VII. *Three hours, second semester.*

VII. METAPHYSICS.—Lectures, readings and dissertations. Prerequisite, Course I. *Two hours, second semester.*

VIII. CHRISTIAN EVIDENCES.—A critical study of the foundations of Christianity. Butler, Fisher and Wright. *Two hours, first semester.*

MAJOR WORK: Courses I to VIII, inclusive.

## PHYSICAL TRAINING

PROFESSOR HARVEY R. HOLMES.

ASSOCIATE PROFESSOR NELYE M. DICKSON.

I. Systematic class work in gymnastics for men. The work consists of vigorous drill with dumb-bells, Indian clubs, and wands, besides progressive graded work on the various pieces of gymnastic apparatus. Required of all first year students. *One hour, both semesters.* Professor Holmes.

II. An advanced course for men combining light and heavy gymnastics. Required of all second year students. *One hour, both semesters.* Professor Holmes.

III. Light gymnastics and outdoor sports for women; Exercises for breathing, relaxing, standing, walking, use of dumb-bells and wands; recreative games and simple apparatus work. Required of all first year students. *One hour, both semesters.* Miss Dickson.

IV. An advanced course for women. Advanced exercises with chest weights, dumb-bells, Indian-clubs, ladders and rings. Difficult free work with rhythmical drills for grace and harmony of movement. Required of all second year students. *One hour, both semesters.* Miss Dickson.

## PHYSICS

PROFESSOR LAIRD JOSEPH STABLER.

LABORATORY ASSISTANT, PERCY M. BELL.

In laboratory courses a fee of four dollars per semester will be charged.

I. GENERAL PHYSICS.—Mechanics, heat and sound. One lecture or recitation, and six hours in the laboratory per week. Text, Millikan's Mechanics, Molecular Physics and Heat. Prerequisite, Mathematics III. *Three hours, first semester.*

II. GENERAL PHYSICS.—A continuation of Course I, including light, magnetism and electricity. *Three hours, second semester.*

III. ELECTRICITY AND MAGNETISM.—Lectures and recitations. Thompson's Elementary Lessons in Electricity and Magnetism, Thompson's Dynamo Electric Machinery. Prerequisite, Physics I and II, and Mathematics III and IV. *Three hours, first semester.*

IV. ELECTRICAL MEASUREMENTS.—A laboratory course, with a study of general methods of testing and using electrical machinery. *Three hours, second semester.*

## SPANISH

PROFESSOR ALCINDA MORROW WHITSON.

I. ELEMENTARY SPANISH.—Hills and Ford, Spanish Grammar; Worman's Readers; Cuentos Castellanos; Galdos' Electra; Valera's Pepita Jimenez. *Four hours, both semesters.*

II. SPANISH READING, WRITING AND CONVERSATION.—Review of Grammar, Text-book, Garner's; Moratin's El Si de las Ninas; Galdos' Marianela; Alarcon's El Capitan Veneno.

Open to students who have completed Course I, or its equivalent. *Three hours, both semesters.*

III. HISTORY OF SPANISH LITERATURE.—D. Antonio Gil de Zarate's History of Spanish Literature, or Butler Clarke's Spanish Literature. Sketches of authors and literary periods, written in Spanish by students. Illustrative Readings. *Two hours, both semesters.*

IV. ADVANCED SPANISH COMPOSITION.—Ramsey and Lewis Progressive Exercises in Spanish Prose Composition. *One hour, both semesters.*

## GENERAL INFORMATION

The College of Liberal Arts of the University of Southern California is situated in Los Angeles, about three and one-half miles southwest from the business section of the city. The College buildings are accessible by three lines of street cars, the Main Street, University and L. A. Interurban lines. This is one of the most beautiful and rapidly growing residence portions of Los Angeles. The campus, comprising ten acres, has been improved by cement sidewalks and street grading on all sides, and a lawn in front of the main building. There are separate buildings for the College of Liberal Arts, the College of Music, and the Preparatory School. The College of Liberal Arts building is lighted by electricity. The University Methodist Episcopal Church is located near the campus, and is one of the most prosperous churches in the city. The Baptists and Presbyterians also have churches in the near vicinity. These advantages,

together with fine public school privileges, make the University section of the city a very desirable place of residence for families seeking educational opportunities.

### **Religious Privileges**

The moral atmosphere surrounding the student is exceptionally good. The Young Men's Christian Association and the Young Women's Christian Association are active and effective in social and religious life.

The students maintain a regular prayer service in the College Chapel, and also a daily noon-day prayer meeting. These, with the regular chapel service, constitute a good Christian atmosphere in which to lay the foundation of character. Students are expected to attend some church each Sabbath, and are advised to join some Sunday class for the study of the Bible.

The University provides, during the College year, a free course of lectures dealing largely with biblical subjects.

### **Literary Societies**

The Aristotelian Literary Society is the oldest of the societies connected with the College. It is a society for young men and has a large and well furnished hall in which to hold its meetings. It is in a flourishing condition and has many influential alumni.

The Athena Society is for young women. It has a finely furnished hall, and is doing excellent work.

### **Library and Reading Room**

The Library room is large and well lighted, carpeted, and furnished with shelving sufficient to hold about eight thousand volumes, with tables and chairs for the convenience of the readers. The Library is supplied with a well selected list of books. Many of the best periodicals are kept on the reading tables.

### **The Museum**

An extensive collection of specimens in mineralogy and geology has been accumulated during the past years, by donations and

purchase. Professor John Dickinson, the first curator, opened the museum and classified it, making many donations from his own excellent private collection.

A few years ago the trustees purchased from Dr. Stephen Bowers a large collection of geological, mineralogical, and archæological subjects.

The Rev. C. R. Pattee, D. D., has donated about five hundred species of West Coast shells. The same gentleman has loaned to the museum, for the use of the college, a valuable geological, paleontological, mineralogical and conchological collection.

### The Physical Laboratory

The physical laboratory is arranged to accommodate forty students at one time. There is a good collection of apparatus of the best make for lecture demonstration. It includes a new stereopticon with special apparatus and slides for projection; equipment for electrical study, volt-meters, ammeters, resistance coils, galvanometers, reading telescopes, induction coils, Crookes tubes, etc.; spectroscopes, polariscopes, lenses, etc., for the study of light; thermometers, barometers and registering apparatus for meteorology; air pumps, condensers, and receivers for gases; as well as apparatus for the composition and resolution of forces.

### The Chemical Laboratories

The laboratories for the department of Chemistry occupy four rooms in the basement of the main building. They are thoroughly equipped with tables, water, gas, apparatus and chemicals. Ample facilities are offered for work in qualitative and quantitative analysis in organic chemistry, and for research. The laboratories possess several fine analytical balances, sets of special apparatus for determining molecular weights, for gas analysis after Hempel, and for nitrogen determination by combustion. Good facilities are also afforded for work on electro-chemistry, fertilizers, dairy products, soils, and the application of chemistry to the metallurgical processes. Prospective medical students will find facilities for analysis of air, food, water, poisons, etc. The assay labora-



tory contains muffle and combustion furnaces, balances, ore crushers, and special apparatus for studying the cyanide, chlorination, and electrolytic reduction processes.

### **The Biological Laboratories**

The main biological laboratory is located on the second floor in a large and well lighted room facing north. In it are twenty heavy redwood tables, each with two large drawers, in which the student may keep his apparatus securely locked. Each table is provided with compound and dissecting microscopes, a set of dissecting instruments, reagent case and reagents, glassware, slides and covers, etc., while the general laboratory is supplied with microtomes, water baths, aquaria, sinks, hatching cases, glassware, and the necessary chemicals for advanced work in biological research. There are also several thousand microscopic slides, illustrating the different subjects in Biology.

During the past year substantial additions have been made to the equipment of the biological laboratories. Six additional microscopes have been purchased and a complete solar and electrical projection apparatus have been installed.

The Bacteriological laboratory is fitted with microscopes, steam and dry air sterilizers, incubators, culture dishes, and the necessary glassware for thorough work. Cultures of all the principal organisms are kept in the laboratory for study.

The Museum, containing a collection of invertebrates and vertebrates, both dry and in alcohol, fossils and shells, the herbarium and the Bowers and Pattee collections of minerals, adjoins the general laboratory and opens into it for convenient use.

### **Athletics and Physical Culture**

The Faculty of the College of Liberal Arts, recognizing that physical culture is both hygienic and educative, desires to encourage every reasonable effort in the direction of physical development consistent with strong manhood and womanhood. On its hygienic side it should aid the body in all its functions, develop a symmetrical form, correct deformity as far as possible,



and afford recreation. In its educative function it should afford the discipline necessary for self-control, both mental and moral.

### **Gymnasium and Athletic Grounds**

Athletic sports are encouraged for their value in developing the body, in furnishing a means of pleasant recreation, as well as a source of social and ethical culture, and in cultivating the spirit of co-operative enterprise.

The gymnasium has been fitted with appliances for the proper development of the body. The necessary apparatus of the newest and most approved designs has been provided. The Director has made preparations for the training in the gymnasium of both the young men and young women, who will have separate lockers and baths and use the building at different periods of the day. The students have all the advantages of the gymnasium, with baths, lockers and dressing room accommodations.

A complete equipment is provided for each form of exercise. Galleries will afford audience room for special gymnastic exercises when such are open to the public.

A commodious athletic field of several acres affords abundant room for out-door exercises. The Athletic Director, in connection with the President of the University, has control of the athletic grounds, games, and sports of the University, and has laid out fields for basket-ball, volley-ball, baseball, and football, the last named field being encircled by a one-fourth mile cinder running track. There are also several tennis courts.

All the work of the Department of Physical Education, and Athletics will be under the supervision of Professor Harvey R. Holmes, Ph. B.

Each student, on entering the department, undergoes a thorough physical examination, in order that his physical condition may be known to the Director, and suitable exercise prescribed. Various strength tests and measurements are given; the heart, lungs, and eyes are examined, and the utmost caution used in the advice given regarding individual exercise. One examination during each semester is required, the latter demonstrating any improvement or change in the student's physical condition. Anthropol-

metric cards and charts are platted for students when desired.

Systematic class work in gymnastics is required on two days of the week, of all Freshmen and Sophomores. This work consists of vigorous drill with dumb-bells, clubs, bar-bells, etc., besides progressive graded work on the various pieces of gymnastic apparatus, and gymnastic games, always under the careful supervision of the Director.

During the second semester lectures on the physiology of exercise, personal hygiene, health culture, etc., are given to the college students. These lectures are illustrated by various charts, lantern slides, etc., and take the place of the regular gymnasium classes on the days when the lectures are given.

### **Athletic Contests**

All athletic and team contests are under close supervision of the Director and no student is permitted to compete in games or contests whose physical examination shows that he or she is unfit.

Any person who desires to enter athletic contests must attain a certain standard of scholarship before being permitted to participate.

### **Gymnastics for Women**

Before entering upon this training every student is given a thorough physical examination by Miss Dickson, in order that only such exercises may be taken as are suited to the student's individual needs. If owing to any physical inability to take the work with the regular classes it seems necessary to take special corrective work, private instruction may be arranged for.

The regular course includes gymnastics, athletics and physical culture. A combination of the Swedish and German system of gymnastics is used.

The gymnasium is well equipped with apparatus. All work must be done under the supervision of the Director.

The athletic grounds are adjacent to the gymnasium and participation in out-door sports is expected of all young women taking physical training. They may elect tennis, volley-ball, or basket

ball. Steps are being taken to secure a hockey field, and it is hoped that hockey will soon be one of the regular out-door sports. The University basket ball team is a member of the Young Women's Basket Ball League of Southern California, and the young women who show greatest proficiency in basket ball are chosen to represent the University in inter-collegiate games.

Students are required to provide themselves with a special suit for gymnasium exercises. The Director must be consulted in this matter, in order that there may be uniformity of costume.

For information in regard to the Professional Course for teachers, see "College of Oratory."

### Scholarships

#### THE HUGH JOHNSTON SCHOLARSHIP

This scholarship was founded by Mrs. Anna H. Johnston, of Pasadena, in memory of her deceased husband, and is for the benefit of needy students. Mrs. Johnston will name the incumbent when she desires. Otherwise this will be done by the authorities of the University.

#### THE SPENCE SCHOLARSHIP

This scholarship was founded by the Hon. E. F. Spence in his life time, and is devoted to the use of needy students in the San Diego district, upon recommendation of the Presiding Elder of that district.

Others contemplate the establishment of prizes and scholarships, and it is earnestly hoped that soon a goodly number can be offered. Friends of the school can greatly add to its attractiveness in this way.

### Prizes

#### THE LOTTIE LANE PRIZE

This prize, established by Mrs. Charlotte A. Thompson as a memorial to a deceased daughter, is an elaborate gold medal, to be presented each year at Commencement to that member of the graduating class who shall have maintained the highest general average in scholarship throughout the whole college

course. Students who have taken more than four academic years to complete the course, or those who have received credit for work done elsewhere than in this College, are not eligible for this prize. This medal was awarded in 1904 to Miss Mary Clarinda Reeves.

#### THE ORATORICAL PRIZE

The Phi Alpha Fraternity gives an annual prize of twenty-five dollars for the best oration delivered in contest by an undergraduate; the Oratorical Association, in addition offers a second prize of fifteen dollars and a third prize of ten dollars.

The first prize was awarded in 1904 to Mr. Guy Dyar.

#### Gifts to the University

**THE HOUGH FUND.** This is a fund of \$65,000 given by Rev. Asahel M. Hough, deceased, and his wife, Anna G. Hough, of Los Angeles. It is to be held by the University in perpetuity, and the income is to be used for current expenses of the College of Liberal Arts, or as the Board of Trustees may annually direct.

**THE HAZZARD PROFESSORSHIP.** Rev. A. C. Hazzard has given to the University property valued at \$30,000 for the endowment of a professorship in English Bible.

**THE MERRYMAN PROFESSORSHIP.** Mr. T. D. Merryman has given to the University property valued at \$25,000 for the endowment of a professorship in Mathematics.

**THE HARTUPEE GIFT.** This gift consists of property valued at \$45,000.

**Degrees Conferred in 1904****MASTER OF ARTS**

Rippo Eitaro Iijima,  
Keijiro Suzuki,  
Masaharu Yamaguchi,  
Luther Allen Rice.

**BACHELOR OF ARTS**

Fay Dudley Flint,  
Mary Clarinda Reeves,  
Charles Francis Seymour.

**BACHELOR OF PHILOSOPHY**

Alpha Lulu Faulkner,  
Martha Belle Gay,  
David John Pakchoyan.

**BACHELOR OF SCIENCE**

Marshall Morgan Cloud,  
Lyman Gregory,  
Nelle Lancaster,  
Ethel Leonard,  
Anna Elizabeth Maurer,  
Pearl Eva Matthews.

For further information address

PRESIDENT GEORGE F. BOVARD,  
Los Angeles, California.

# THE COLLEGE OF MEDICINE

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CALENDAR, 1905-06

TWENTY-FIRST ANNUAL SESSION.

October 9-11—Entrance Examinations are conducted.

October 12, Thursday—Regular term begins at 9 a. m. at the College Building.

December 22, Friday evening—Christmas vacation begins.

January 2, Tuesday—Lectures resumed.

May 14, Monday—Examinations for the degree of Medicine begin, and continue until June 1.

June 1—Undergraduate Examinations begin.

June 14, Thursday, 8 p. m.—Commencement Exercises.

On all legal holidays of the State of California the schedule is suspended.

## GENERAL STATEMENT

The College of Medicine of the University of Southern California is now entering upon its twenty-first year of work. Aiming to do only thorough work, it adopted from the first a three years graded course of instruction. In 1896 this was increased to four years. This College is a member of the Association of American Medical Colleges.

### Location

The Faculty of this College believe that they are justified in calling the attention of Eastern students who are not robust to the peculiarly healthful and delightful climate of Los Angeles.

Many students on the Atlantic seaboard and in the Mississippi Valley find the rigorous winters interfering materially with

their ability to study. They also take the risk of having chronic pulmonary troubles fastened upon them. To such we say that the Los Angeles winter is really an ideal summer; and instead of the snow, sleet and ice many of us experienced in New York, Philadelphia and Chicago, we have here in Los Angeles, throughout the winter, sunshine, flowers and oranges. We believe living in Los Angeles is cheaper than in any other American city, and the only special extra outlay the student would incur would be the car fare. Round-trip excursion tickets can be purchased that are good for nine months.

Los Angeles is a progressive town, with a population of more than one hundred and fifty thousand. It is the greatest railroad center on the Pacific Coast, and has within a few miles, three seaports—San Pedro, Redondo and Santa Monica. Besides the Medical College, Los Angeles has all the educational and social advantages belonging to a place of its size. There is an excellent public library, and numerous churches, colleges and private schools.

### **The College Building**

The College Building is located at 737 Buena Vista street, between Ord and Alpine streets. It is on the Daly street division, and only a short distance from the Downey avenue division of the Los Angeles Electric Railway, and near the Pasadena and Santa Monica electric lines, making it accessible from all parts of the city and outlying towns. It is a three-story and basement building, with a two-story wing, in which is an amphitheater with seating capacity for 300. This building was erected in 1895, and is well lighted, heated and ventilated.

The lower floor contains the central amphitheater, the offices and study rooms. The chemical and toxicological laboratories, with lecture and study rooms, occupy the second floor, while the anatomical laboratory and lecture rooms are in the third story. In the basement, a refrigerating room has recently been installed, affording ample room for anatomical material. There is also a room equipped with bicycle stands for the use of the students.



### The Hendryx Laboratory

The Hendryx Laboratory was built by Dr. W. A. Hendryx as a memorial to his wife, Lucy Sheppard Hendryx, and was presented to the College January 6th, 1899. It is a two-story building, standing about fifty feet north of the College building and farther from the street, thus avoiding the dust and noise of the street. It was planned by Prof. Black, and is unexcelled anywhere in its lighting and convenience. It is well equipped for undergraduate work and original investigation in histology, pathology, bacteriology and physiology, and has in connection with it an excellent house for the care of the animals used in experimental work.

### The Clinical Building

This important structure was completed and occupied February 1, 1905, and has numerous rooms arranged for medical, surgical, gynecological, skin, genito-urinary, children's, eye, ear, nose and throat clinics. There is nothing more complete for the scientific treatment of ambulatory cases in the United States. The equipment alone of this building cost over \$10,000.00.

## STATEMENT OF INSTRUCTION

During the first two years of the course most of the instruction is given by recitation and in the laboratories. In the third year, recitations and laboratory work are continued, with didactic lectures, but most of the work requiring attendance in the laboratory and recitation room is finished at the close of this year, while the senior year is devoted largely to clinical work and experimental work in the laboratory. The senior and junior classes are divided into two sections; these sections, in rotation, act as assistants to the various clinics, so that during the term each member of each section has been able to act as assistant in the Gynecological, Surgical, Rectal, Eye, Ear, Nose and Throat, Children, Skin and Genito-Urinary Medical and Neurological clinics.

### **Anatomy**

PROF. MURPHY.

DR. KIRKPATRICK.

The work in this department consists of six recitations of one hour each per week for the first year, and four recitations per week for the second year. The recitations and quizzes are supplemented by the demonstration of each topic on the cadaver before the class. In addition to this, the dissection of six parts (that is, both lateral halves of the body), is required of each student. These dissections are conducted under the direction of assistant demonstrators of anatomy. The supply of material is always abundant. Each student, while dissecting, is expected to be in the Anatomical Laboratory, between 3 and 6 p.m. on five days of the week. The demonstrator and his assistants will be present to assist him at that time.

Regional Anatomy is taught by Professor Murphy in a course of lectures extending through the first half of the third year, and is illustrated by actual dissections on the cadaver, charts and manikins.

### **Physiology**

PROF. WITHERBEE.

PROF. COLLIVER.

Physiology is taught by the combined lecture, demonstrative and laboratory method. During the first year the following subjects are treated: Blood, circulation, respiration, secretion, digestion, excretion and metabolism. Introductory lectures are taken up from a biological and comparative point of view, illustrated with diagrams, drawings and collaborated with biological and histological laboratory work. Once established in the fundamental principles of physiology an endeavor is made to especially emphasize those points which have a practical bearing upon the practice of medicine. The course is further supplemented by daily quizzes, weekly twenty-minute written exercises upon subjects assigned at the time, and written examinations upon the completion of each subdivision of this course.

In the second year Prof. Witherbee lectures three hours per week upon the subjects of muscular and nervous phenomena, as

well as upon the special senses and the phenomena of reproduction.

Laboratory course in Physiology is under the direction of Prof. Colliver and assistants. Each student is required to perform, under the supervision of an instructor, all of the experiments outlined in the syllabus. These experiments are intended to include only the most important fundamental physiological facts considered in the lectures. When individual work is impossible the class is subdivided into small sections of twos and fours. Each experiment must be written up and handed in together with graphic tracings, diagrams, bibliography, etc. A practical examination is conducted in this course at the end of the term.

Laboratory work in Physiological Chemistry is taken up during last half of second semester, special attention being paid to digestion and excretion.

The new Physiological Laboratory apartments are located on the third floor of the main college building. They consist of a large, well-lighted class room, furnished with a number of tables and modern laboratory improvements; an amphitheater for demonstrating most important physiological principles; a room for apparatus and assistants' preparation or investigation laboratory. This department is also fortunate in having an excellent laboratory equipment.

The large sum of money so generously donated to the department by Mrs. Jane Mansil, of Hartford, Conn., has been expended in the purchase of the most modern physiological apparatus, etc. This, together with the supply previously possessed, and that subsequently donated by Dr. Milbank Johnson, formerly professor of physiology, makes the physiological equipment equal to that of any medical college in the West.

### **Surgery**

PROF. LASHER.    PROF. JOS. KURTZ.    PROF. WILLS.    PROF. MURPHY.  
· DR. BRYANT.

Prof. Lasher delivers two lectures and conducts one recitation a week to the third and fourth year students. Prof. Joseph Kurtz delivers one lecture a week on Operative and Orthopedic

Surgery to the third and fourth year students. Prof. Wills delivers two lectures and demonstrations in minor surgery and bandaging during the first quarter of the second year. Prof. Murphy delivers two lectures a week during the third year on Surgical Pathology during second semester. This work is supplemented by six clinics at the College Dispensary and three clinics at the County Hospital per week. Dr. A. E. Bryant holds Surgical Clinic at 8 o'clock every Saturday morning, at the Sisters Hospital—an institution with 150 beds, situated near the College.

### Medicine

PROF. UTLEY. PROF. WING. PROF. COLE. PROF. BARBER. PROF. BARLOW. DR. HAGADORN. DR. HUTCHINSON.

Prof. Utley conducts two lectures and recitations per week for the fourth year students. Dr. Hagadorn three recitations per week for the third year students. Prof. Barlow gives two clinical lectures a week on Physical Diagnosis, with practical demonstrations on subjects, during the second semester for the sophomore year. For the junior year Prof. Barlow will give practical demonstrations one hour a week at the bedside in the hospital, to the class in sections. This is supplemented by six medical clinics per week at the College Dispensary for third and fourth year students. Also by two clinics per week by Prof. Wing, Prof. Barber, one by Prof. Cole, and one by Prof. Barlow, at the County Hospital. The clinics at the County Hospital are mostly given in the ward at the bedside of the patient.

### Materia Medica and Therapeutics

PROF. KING. DR. QUINT. DR. GODIN.

Prof. King gives two lectures per week to the third year students in Therapeutics. Prof. Quint devotes two hours a week to lectures and recitations on Materia Medica to the second year students, and Dr. Godin two hours a week of lectures and recitations to the first year students. Much of the time in the second year is devoted to the physiological action of drugs.

In addition to this, each student serves daily for four weeks compounding and dispensing prescriptions, under the supervision of Fred C. McKinnie, Pharmacist in the College Dispensary.

### Chemistry

PROF. STABLER.

First Year.—The course extends through the year, and consists of one lecture, demonstration or recitation, and two laboratory exercises of two hours each per week. The first two-thirds of the year is devoted to general and inorganic chemistry. A careful study is made of the laws governing chemical action and the properties of the common elements and their compounds. In the laboratory, practical instruction is given in qualitative and volumetric analysis. Organic Chemistry is studied the last part of the year. Special attention is given to the preparation and properties of typical compounds, attention being directed to changes which come under the heading of general reactions.

Second Year.—The work of this year is devoted to Organic and Physiological Chemistry. The course extends through the year, and consists of lectures and laboratory work two days of two hours each per week. The subjects studied are: Carbohydrates, the proteids, the chemistry of digestion, bile, blood, milk, lymph, stomach contents, and urine. Special attention is given to the study of the urine. Each student examines a large number of specimens chemically and microscopically, so as to become familiar with this secretion in normal and pathological condition. It is the purpose to provide the graduates with a knowledge which will best meet the demands of general practice.

### Toxicology

DR. DUDLEY FULTON.

Toxicology and Clinical Chemistry are taught by Dr. Fulton. The course includes lectures and practical laboratory work in Toxicology, urine analysis and chemical examination of the

blood and contents of the stomach. This course will comprise one hour in the lecture room and two hours in the laboratory throughout the third year.

### **Hygiene and State Medicine**

PROF. ORME      PROF. POWERS.

The prevention of disease and the preservation of health are now recognized as an important branch of medical education. This department is under the charge of gentlemen specially qualified by long study and experience. Professor Powers, who for several years has been the able Health Officer of the City of Los Angeles, has been, during the year, added to this branch of instruction. The work in this section is progressive, scientific and thorough.

### **Obstetrics**

PROF. MOORE.      DR. LAZARD.      DR. COFFEY.

Two hours a week of lectures and recitations are given the third year students, and one hour a week to manipulations on the manikin and cadaver before the fourth year students. This course is supplemented by arrangements whereby each member of the senior class is enabled to take charge of cases under the direction of some member of the Faculty to act as assistant to the physician having in charge the obstetrical ward of the County Hospital, and also the obstetrical cases in one of the rescue homes, so that each student in the senior class personally attends several cases before graduating.

### **Ophthalmology**

PROF. ELLIS.      DR. KIEFER.      DR. BULLARD.

Ophthalmology is taught by Prof. Ellis by means of lectures, recitations and clinical instruction. Each student of the senior class is taught the use of the ophthalmoscope and must be able to draw the fundus of a given eye before he may pass in this branch. Prof. Ellis will conduct two clinics a week at the College Dispensary, and a surgical clinic at the County Hospital,



where the senior students will act as assistants and in turn keep record of the cases. The large amount of clinical matter in attendance at this clinic enables the Professor to give a thorough and practical course.

One hour per week of recitations is given the third year students for one-half year.

### **Ear, Nose and Throat**

PROF. BABCOCK. DR. HASTINGS. DR. KELSEY.

The third year students have one recitation a week for one-half year and the fourth year students are given two lectures and clinics per week at the College. Prof. Babcock also permits members of the fourth year class to assist him at numerous private operations.

### **Diseases of Children**

PROF. FOLLANSBEE. DR. EDWARDS.

Prof. Follansbee gives one recitation or lecture per week throughout the third year. This is supplemented by two clinics per week at the College Dispensary. During the session of 1905, Dr. W. A. Edwards, formerly of the Faculty of the University of Pennsylvania, became associated in the instruction in this branch and gives one lecture per week. Dr. Edwards is the author of some of our most noted text-books on Diseases of Children.

### **Gynecology**

PROF. CARL KURTZ. PROF. W. W. BECKETT.

Prof. Kurtz during the first half of the year delivers at the College one lecture per week to the senior class. During the second semester Professor Beckett delivers one lecture to the same class at the College. This is supplemented by two clinics per week at the College, conducted by Prof. Carl Kurtz and Prof. Beckett. During the first semester Prof. Beckett gives one clinic each week at the County Hospital, and during the



second semester Prof. Kurtz does the same. The senior students have also the opportunity of attending a large number of operations at various private hospitals in the city with which different members of the faculty are connected.

### Diseases of the Skin and Genito-Urinary Organs

PROF. MACGOWAN.      PROF. WILLIAMS.

In this College the branches of Genito-Urinary Surgery, Syphilis, and Diseases of the Skin are taught by the same Chair, and these clinics are united. No regular method of didactic lectures is followed, but the teaching is eminently practical, and consists of careful instruction in diagnosis and treatment upon living examples of the diseases used as a theme for the day's clinical demonstration. Clinics are held on Tuesdays and Saturdays at the College Dispensary, from 1 to 3 p. m., and at the County Hospital on Wednesday and Saturday mornings. During the year there is plenty of material for showing to the students all of the operations in Genito-Urinary Surgery. The class is instructed in the use of the cystoscope and the endoscope; these instruments being used whenever an indication therefor exists.

### Pulmonary Tuberculosis

DR. POTTENGER.

As one-seventh of all deaths in the United States are from this disease, the attention of the students is directed particularly to its Diagnosis, Pathology, Prevention and Treatment by a course of lectures with clinical instruction by Dr. S. M. Pottenger.

### Neurology

PROF. BRAINERD.      PROF. MURPHY.      DR. ROSS MOORE.

Prof. Murphy gives one hour per week the first half of the year to the fourth year students on the Minute Anatomy of the Nervous System. This is illustrated by demonstrations, charts

and microscopic specimens. Prof. Brainerd gives one lecture per week throughout the year to the fourth year students, and conducts a clinic once a week at the County Hospital, and once a week at the College. The lectures for the first half of the year are upon insanity. The present method of caring for the insane at the County Hospital, prior to their examination for commitment to the State Hospital for the Insane, enables the students to see during the year at the hospital clinics in nearly every form of insanity. Dr. Ross Moore conducts a quiz of one hour every two weeks.

### Medical Jurisprudence

PROF. CONREY.

Prof. Conrey lectures one hour per week during the last half of the senior year, giving fully the legal aspect of medical expert testimony, and the rights and duties of physicians in their relations to patients.

### Histology

PROF. BLACK. DR. E. L. LEONARD.

Six hours laboratory work and one hour recitation are devoted to this subject during the entire eight months. During laboratory work, recitations and general demonstration, by means of the most recent Leitz projection microscope are given. After a preliminary course on the general use of the microscope the student studies those fibers, etc., which, as foreign substances, so frequently confuse the beginner, as silk, cotton, wool and moth scales, etc. Then the individual cells are studied in teased specimens until all the types of cells are understood. Then sections of all the normal organs are given the student. Drawings and written descriptions of these sections are required. Each student is also assigned various organs which he must remove from the animal and fix, harden, embed and section.

The laboratory is fully equipped with Bausch and Lomb, Leitz microscopes, dissecting microscopes, and freezing, Thomas and Schanze model microtomes.

### Pathology

PROF. BLACK. DR. E. L. LEONARD.

The laboratory work occupies four hours per week during the Sophomore, and two hours per week during the Junior year.

During the Sophomore year the students are given sections illustrating the process of acute and chronic inflammation, the infectious granulomata and the degenerations and benign and malignant tumors.

Drawings and full written descriptions of these sections are required.

In the Junior year the sections of uterine scrapings and those illustrating repairs of wounds are given out and a large number of unknown sections are given for the purpose of requiring the student to make his own diagnosis.

Each section must be fully described and a drawing made.

### Bacteriology

PROF. BLACK. DR. E. L. LEONARD.

This subject is taught by practical laboratory work, embracing two hours a day for three days a week during two months.

First, the principal non-pathogenic organisms, and finally the principal pathogenic bacteria are studied by cultural, staining and clinical methods. The laboratory is fully equipped with microscopes, incubators, sterilizers (hot air, steam, auto-clave), etc.

In the Hendryx Laboratory is situated the Hendryx Medical Library, the nucleus of which was donated by Dr. W. A. Hendryx. There are at present about two thousand bound volumes on the shelves, consisting mainly of complete files of the leading medical journals of America.

### Electro-Therapeutics

DR. A. SOILAND.

Dr. Soiland gives twelve lectures during the term on Electro-Therapeutics, with practical demonstrations in the department of electro-therapeutics in the Clinical Building which contains every modern improvement for pursuing this important branch.

## Dental Hygiene

DR. GARRETT NEWKIRK.

Dr. Newkirk, Dean of the Dental College, U. S. C., gives to the Senior class a course of lectures on the Hygiene of the mouth and teeth.

## CLINICAL FACILITIES

On four mornings of the week the County Hospital is open to students for clinical instruction. As there are nearly two hundred beds in this institution and nearly twelve hundred patients are admitted annually, it affords excellent opportunities for instruction. In addition to the cases in the general hospital, the new law of the state is such that all insane patients are kept under observation at the County Hospital for twenty-four hours or more prior to their examination for commitment to the State Hospital for the Insane. There are also a number of well conducted private hospitals throughout the city, with all of which various members of the faculty are officially connected; and, though not open to instruction of the students as a whole, they afford facilities to all the senior students at various times to witness a great variety of surgical operations and many interesting medical cases. A clinic is held in the amphitheater of the Sisters Hospital—an institution of 150 beds—at 8 a. m. every Saturday.

A well organized dispensary at the College Building, with 10,000 patients a year, furnishes abundant material for daily clinics, in which the advanced students are required to do a large amount of the work in the examining and prescribing for patients, under the direction of the medical instructors. Arrangements have also been made with the Associated Charities whereby such cases coming within their jurisdiction as need medical attendance are placed in the care of the senior students, under the supervision of the clinical staff of the Dispensary.

## COURSE OF STUDY

### *First Year*

MATERIA MEDICA.—Two hours of lectures and recitations per week. Practical work in Dispensary, twelve hours for four weeks.

ANATOMY.—Six hours recitations with demonstration on cadaver each week. Dissection of at least one lateral half of body.

PHYSIOLOGY.—Three hours of recitations and four hours of laboratory work per week.

CHEMISTRY.—One hour recitation and four hours of laboratory work per week.

HISTOLOGY.—One hour recitation and six hours of laboratory work per week.

FINAL EXAMINATIONS at end of year on Histology, Embryology, Osteology, Syndesinology, Myology, and in Physiology on the Blood, Circulation, Digestion, Secretion and Excretion, Animal Heat.

### *Second Year*

MATERIA MEDICA.—Two hours lectures and recitations per week.

ANATOMY.—Four hours recitations and demonstration on cadaver per week. Dissections, one lateral half of body.

SURGICAL ANATOMY.—Two hours lectures and recitations per week, first half year.

PHYSIOLOGY.—Two hours recitations and two hours laboratory per week.

CHEMISTRY.—One hour lecture or recitation and four hours laboratory per week.

PATHOLOGY.—Two hours recitation and lectures per week, and eight hours laboratory work per week.

PHYSICAL DIAGNOSIS.—Two hours recitations per week for half year, and two hours practical work in College clinic the last half year.

HYGIENE.—One hour lecture per week for half year.

CLINICAL MEDICINE.—Two hours recitation per week throughout year.

FINAL EXAMINATIONS at end of year in Materia Medica, Anatomy (descriptive), Physiology, Chemistry, Pathology, Hygiene, Physical Diagnosis, Respiration.

*Third Year*

**SURGERY.**—Three hours lectures, one hour recitation, and two hours clinics at County Hospital per week.

Six hours clinics at College Dispensary per week.

**MEDICINE.**—Three recitations per week.

Six hours clinics at College Dispensary.

**OBSTETRICS.**—Two recitations per week.

**THERAPEUTICS.**—Two hours lectures and recitations per week.

**GYNECOLOGY.**—One hour recitation per week.

**PAEDIATRICS.**—One hour lecture and recitation per week.

**TOXICOLOGY, URINALYSIS AND CLINICAL CHEMISTRY.**—One hour lecture and two hours laboratory per week.

**DERMATOLOGY AND VENEREAL.**—One hour clinic per week.

**BACTERIOLOGY.**—Twelve hours laboratory per week, for six weeks.

**SURGICAL ANATOMY.**—Two hours lectures and recitations per week for one-half year.

**GROSS PATHOLOGY.**—One hour per week, for one-half year.

**PHYSICAL DIAGNOSIS AND PRACTICE.**—One hour per week.

**OPHTHALMOLOGY.**—One hour recitation per week, for one-half year.

**OTOLOGY, LARYNGOLOGY, ETC.**—One hour recitations per week, for one-half year.

**SURGICAL PATHOLOGY.**—Two hours per week.

**FINAL EXAMINATIONS** at end of third year in Therapeutics, Paediatrics, Toxicology, etc., Bacteriology, Surgical Anatomy, Gross Pathology and Obstetrics.

*Fourth Year*

**SURGERY.**—Two hours lectures, one hour recitation.

Two hours clinics at County Hospital.

Orthopedrics, one hour lecture per week.

**MEDICINE.**—Two hours lectures and one hour recitations.

Three hours clinics and bed-side instructions at County Hospital.

**OBSTETRICS.**—One hour demonstrations on manakin and on cadaver per week.

**GYNECOLOGY.**—One hour clinic at County Hospital.

Two hours clinics at College Dispensary per week.



NEUROLOGY.—One hour lecture, one hour clinic and bed-side instruction at County Hospital.

One hour clinic at College Dispensary per week.

One hour lecture and recitations on minute Anatomy per week, for twelve weeks.

DERMATOLOGY, VENEREAL AND GENITO-URINARY.—One hour clinic at County Hospital, and one hour clinic at College Dispensary per week.

OPHTHALMOLOGY.—Two hours clinic per week at College Dispensary.

OTOLOGY, LARYNGOLOGY, ETC.—Two hours clinic at College Dispensary, per week.

ELECTRO-THERAPEUTICS.—One hour a week.

FINAL EXAMINATIONS at the end of the year in Surgery, Medicine, Gynecology, Neurology, Dermatology, Genito-Urinary, Ophthalmology, Otology, Laryngology.

## REQUIREMENTS FOR ADMISSION

All students must register each year with the Secretary.

To the First Year Class:

Students will be required to pass an examination in accordance with the rules of the Associations of American Medical Colleges, unless graduates of some University, College, High School, Academy or Normal School, or present certificates as having done work in such institutions as covers this ground. A medical student's certificate issued by any State Examining Board covering this work will be accepted, and any student having the A. B., B. S., or equivalent degree from a reputable literary college. Graduates and students of Homeopathic or Eclectic Medicine, as many years as they attended those colleges, provided they have met the previous requirements, and that they pass an examination in materia medica and therapeutics, may be admitted, subject, however, to the further approval of the Executive Committee.

To the Second Year Class:

Any student who has attended one or more courses in an accredited Medical College, graduates and students of Homeo-



pathic, or Eclectic Medicine, as many years as they attended those colleges, provided they have met the previous requirements, and that they pass an examination in materia medica and therapeutics, may be permitted to enter the second year; subject, however, to the further approval of the Dean and Faculty of this School.

To the Third Year Class:

Any student who has attended two terms in this or any other accredited Medical College, whose course of study is equally advanced, may, on presentation of proper credentials, enter the third year class.

To the Fourth Year Class:

Same as above, only adding one year's attendance.

### REQUIREMENTS FOR GRADUATION

*First.*—The candidate for the degree of *Medicinae Doctor* must have attained the age of twenty-one years, and be of good moral character.

*Second.*—He must have studied medicine for four full years, must have attended four courses of medical lectures (no two of them occurring in the same calendar year), the last of which must have been in this College.

*Third.*—He must have passed the required examinations on lectures, recitations, laboratory and clinical work, must have dissected the entire cadaver, and have fulfilled the required periods.

*Fourth.*—He must have paid all the College fees.

*Fifth.*—The foregoing are essential. *But in addition to these is the final test vote of the Faculty as to the general fitness of the candidate for the degree; the Faculty reserving the right to reject in any or all cases upon this ground, apart from and in addition to all other tests and requirements.*

*The Faculty will maintain the right to suspend or expel a student at any time for conduct unbecoming a gentleman.*

## FEES

## First Year—

Matriculation .....	\$ 5.00
Demonstration Fee .....	10.00
Lectures .....	130.00

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Second Year Lectures .....\$130.00

Third Year Lectures ..... 130.00

Fourth Year Diploma Fee ..... 40.00

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Total tuition for the four years .....\$445.00

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The Diploma Fee must be paid by January 1st, but will be returned if the candidate fails.

All fees must be paid at the beginning of the term.

Students admitted to any advanced course in consideration of work done elsewhere, must pay Matriculation, Demonstration and Lecture Fees.

Room and board may be procured for four dollars a week and upwards.

Address all communications as to matriculation and qualifications to Walter Lindley, M. D., Dean, 1414 South Hope St., Los Angeles.

Any further information may be had by application in person, or by writing to

FRED C. MCKINNIE,  
Clerk of the Faculty,  
737 Buena Vista Street,  
Los Angeles, Cal.

Or to

W. D. BABCOCK, A. M., M. D., Secretary,  
916, 917, 918 Braly Bldg., Los Angeles, Cal.

# THE COLLEGE OF DENTISTRY

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## CALENDAR 1905-06

September—Examinations for Admission.

September 30—Saturday, Examination for removal of conditions.

October 3—Tuesday, Opening exercise in Infirmary Hall, 8 p.m.

October 3—Wednesday, Lecture Session of 1905-06 begins.

October 13—Friday, Registration of Students closed for Lecture  
Session of 1905-06.

November 29—Wednesday, Thanksgiving recess begins 6 p. m.

December 4—Monday, Thanksgiving recess ends 9 a. m.

December 22—Friday, Christmas recess begins 6 p. m.

January 2—Tuesday, Christmas recess ends 9 a. m.

February 22—Thursday, Washington's Birthday recess.

April 13-14—Friday and Saturday, Easter holiday.

May 7—Monday, Freshmen and Junior examinations begin.

May 8—Tuesday, Final examinations for the degree of Doctor of  
Dental Surgery.

May 17—Thursday, Commencement Exercises.

## SCHEDULE OF STUDIES

### FRESHMEN YEAR

Anatomy, with Dissection.

Physiology.

Chemistry, Inorganic.

Chemistry, Laboratory.

Dental and Comparative Anatomy.

Histology, Didactic.

Histology, Laboratory.

Operative Technic.

Prosthetic Technic.

Materia Medica.

## JUNIOR YEAR

Anatomy, with Dissection.  
Anatomy, Comparative.  
Physiology.  
Pathology.  
Chemistry, Organic.  
Chemistry, Laboratory.  
Metallurgy, Laboratory.  
Dental Materia Medica and Therapeutics.  
Operative Dentistry, Didactic.  
Operative Dentistry, Infirmary.  
Prosthetic Dentistry,  
Crown and Bridge Work and Ceramic Art.  
Orthodontia Technic.  
Electrical Appliances.

## SENIOR YEAR

Hygiene.  
Therapeutics, General and Special.  
Dental Pathology.  
Surgery, General.  
Surgery, Oral.  
Jurisprudence, Dental.  
Orthodontia, Didactic.  
Operative Dentistry, Didactic and Infirmary.  
Prosthetic Dentistry, Didactic and Infirmary.  
Bacteriology.  
Ceramic Art.

## DEPARTMENTS OF INSTRUCTION

## Anatomy

PROFESSOR MURPHY.

DR. KIRKPATRICK.

The College is fortunate in having for its instructor in this branch one who has taught Anatomy most successfully for many years in the Medical School. Professor Murphy gives a special course to dental students in which emphasis is placed upon the anatomy of the head, face and viscera. In addition, each student is required to dissect one lateral half of the body.

**Physiology**

PROFESSOR PALLETTE.

DR. JENKS.

The course in Physiology is given during the first and second years. The work consists in a systematic course of lectures, recitations and demonstrations.

The subjects of Cells and Tissues, Blood and Circulatory System, are first taken up, and later on the course is devoted to the study of the Alimentary Canal, Excretory Organs, Nervous System, Organs of Special Sense, and Organs of Reproduction.

Text Books—Kirk's Hand Book, Foster, Stewart.

**Comparative Anatomy**

PROFESSOR BEBB.

This course covers a comparison of the teeth and surrounding tissues of man with those of the lower orders of animal life. This is made more interesting and instructive to the student by the collection of crania which our museum affords, and a complete series of lantern slides for illustrating the lectures.

Text Book—Thompson's Comparative.

**Histology**

PROFESSOR BLACK.

PROFESSOR LEONARD.

1. General Histology is taught first by a recitation course, one hour a week for seven months from the text book.

2. Practical laboratory work four hours a week seven months. Isolated Cells, obtained by scraping, teasing, etc., are first studied. Following this, sections of each organ of the body are studied. Class demonstrations by means of the projection microscope are given by one of the professors. Individual demonstrations are also given each student at the microscope.

3. Fourteen drawings in colors of selected sections are required.

**Bacteriology**

PROFESSOR BLACK.

PROFESSOR LEONARD.

A course in Bacteriology is given to the Senior students, covering a period of two months, during which time many of the principal Pathogenic and non-Pathogenic Organisms are studied.

Cultures are made by the students from carious teeth, abscesses, etc. Specimens are obtained from the infirmary and the different organisms are plated and cultivated.

The bacteriological laboratory is well equipped with all the modern apparatus and appliances.

### **Dental Histology**

PROFESSOR ATWATER.

There will be lectures and practical laboratory work four hours a week for seven months during the second year. The development of the tooth from the primitive groove to the adult tooth will be studied and demonstrated.

Twenty-five drawings in color of selected specimens, as seen in the microscope, are required.

### **General Pathology**

PROFESSOR BLACK.

PROFESSOR LEONARD.

This course comprises two hours a week—lectures and recitations—and four hours laboratory work. In the laboratory, sections are given the class illustrating the various degenerations, inflammations and benign and malignant tumors.

General class demonstrations, by means of the projection microscope, are given by the Professor. In addition, individual instruction is given each student at the microscope. Written descriptions of each section, and ten drawings in colors, are required.

### **Dental Pathology and Therapeutics**

PROFESSOR SMITH.

The instruction in this branch will consist of two lectures each week to Junior and Senior students embracing a study of all pathological conditions of interest to the dental practitioner, together with a general application of the therapeutic agents indicated in the treatment of such conditions.

### **Chemistry**

PROFESSOR STABLER.

First Year.—The course extends through the year, and consists of one lecture and two laboratory periods of two hours each week. The first part of the week is devoted to Inorganic Chem-

istry. A careful study is made of the laws governing chemical action, and the properties of the elements and their compounds. Careful attention is given to the chemistry of the metals and all materials used in dentistry; also, to the chemistry of anæsthetics. In the laboratory, practical instruction is given in qualitative and volumetric analysis. The student analyzes some of the common amalgams and alloys. Organic chemistry is studied the last part of the year. Special attention is given to typical reactions and compounds of importance to the dental student.

Second Year.—The course in Organic and Physiological Chemistry extends through the first semester, and consists of lectures and laboratory work of two hours each per week. Special attention is given to the chemistry of the mouth, stomach and intestinal tube.

### Dental Anatomy and Operative Technics

DR. REED.

Dr. Reed gives a thorough lecture course in the General Structure and Anatomy of the Teeth, accompanied in laboratory work of tooth carving and dissection. Cavity preparation and filling in ivory blocks and extracted teeth are required, besides a number of pencil drawings.

### Operative Dentistry

PROFESSOR NEWKIRK.

DR. WILLIAMS.

Instruction in this department will be under the supervision of the Dean, and will consist of lectures and demonstrations; first, to the Junior students, following closely on the lines of their technic work. If qualified at the beginning of the second semester, Juniors are permitted to begin operative work in the Infirmary. Senior students will be instructed by a special course of lectures, clinics by well known operators, and by practical work in the Infirmary, carefully supervised.

### Prosthodontia and Ceramic Art

PROFESSOR FORD.

DR. GRAY.

This department being both Operative and Prosthetic, and occupying the important field in Dentistry that it does, this Col-



lege has deemed it wise to make this department separate from the other two branches.

Students will receive a complete course in Crown technique, as well as lectures during their Sophomore year.

JUNIORS will receive a complete course in Bridge technique during the first semester, and will do practical work in the Infirmary during balance of year.

Lectures fully covering these subjects will be given during the year.

SENIORS will perform practical work in the Infirmary. A complete technical course will be given in Porcelain work, including the construction of Porcelain Crowns and Bridges; also the construction of Porcelain Inlays by the burnishing and swedging methods.

This course will be given during the entire year. A special technique room is provided for this work. This department is especially well equipped with large drawings of all descriptions, illustrating these branches. The clinical facilities are excellent, demanding Gold Crowns and Bridges, as well as Porcelain Crowns, Bridges and Porcelain and Gold Inlays.

### **Surgery**

PROF. LOCKWOOD.

Prof. Lockwood will give a number of lectures on General and Oral Surgery.

Practical cases in Oral Surgery will be operated on in the new surgical amphitheater.

### **Metallurgy**

PROFESSOR STABLER.

The course consists of lectures and practical laboratory work one hour each week during the second semester. A careful study is made of the history, structure and properties of the materials used by the dentists. Each student will be required to conduct experiments in the laboratory in melting, refining and alloying, as well as to make experiments in new alloys and compounds. Special attention is given to the analysis and compounding of amalgam alloys.

## **Prosthetic Dentistry**

DR. MUELLER.

This branch of the work will be under the charge of Dr. Mueller, who will demonstrate on practical cases in the infirmary, and have supervision over all practical work in this department, with lectures to Junior and Senior students.

## **Orthodontia**

PROFESSOR ROBINSON.

This subject is taught during the Junior and Senior years.

In the Junior year a general outline of the work is given, followed by a course in model and appliance making.

During the Senior year the course consists of a series of lectures illustrated by numerous lantern slides. Beginning with normal occlusion the lectures take up the different classes of mal-occlusion, special attention being given to diagnosis and treatment. This is followed by several lectures on retention. During the year each Senior student is required to treat at least one practical case of mal-occlusion in the infirmary.

## **General Therapeutics and Anaesthesia**

DR. KING.

This important course, adapted to both medical and dental students, will be given by Dr. King from October to January.

## **Prosthetic Technics**

DR. MUELLER.

In order to give the best possible instruction in the manual training of the mechanical department, a commodious laboratory is fitted expressly for first course students, where they receive individual care and instruction in the use of all the instruments and materials necessary for the construction of all forms of dental substitutes.

During the second semester a course will be given in the properties of steels, forging, tempering and polishing, and the making of instruments, etc.

## **General and Dental Materia Medica**

DR. MYERS.

PROFESSOR M. EVANGELINE JORDAN.

Prof. Jordan will give a course of lectures, one each week, to

the Junior Class upon this subject, and in addition a number of lectures on the Special Care and Management of Children's Teeth.

### **Professional Ethics and Literature**

DR. J. D. MOODY.

Dr. Moody, himself an exemplar of the subject, will deliver a course of lectures on these very important matters. The personal and ethical conduct of the student before and after his graduation have quite as much to do in determining his standing and success in the community as do his knowledge and technical skill.

Also, under direction of Dr. Moody, a Dental Society within the school, for literary improvement, the writing, criticism and discussion of papers along professional lines, has been organized and carried through with excellent results.

### **RULES GOVERNING THE STANDING OF STUDENTS AND EXAMINATIONS**

1. The grades will be made upon the scale of 100; the passing mark will be 75; attendance upon infirmary clinics 90%; lecture courses and laboratories 75%.

2. There will be no re-examination of unsuccessful candidates for the degree of D. D. S. until the close of the ensuing session; and the said candidates will be required to attend the instruction during the subsequent session on the branch or branches in which they failed before they will be eligible for re-examination.

### **CONDITIONS OF ADMISSION**

#### **SPECIAL NOTICE TO STUDENTS.**

Extract from Code of Rules of the National Association of Dental College Faculties:

"No college of this Association shall give credit for a full course to students admitted later than *ten* days after the opening day of the session, as published in the announcement."

In case one is prevented by sickness, properly certified to by a reputable practicing physician from complying with the foregoing rule, the time of admission shall not be later than twenty days from the opening day.

"A candidate for matriculation who presents a diploma from a

reputable literary institution, or other evidence of literary qualification, shall be admitted without further examination."

"The minimum preliminary educational requirement of colleges of this Association shall be a certificate of entrance into the third year of a high school or its equivalent, the preliminary examination to be placed in the hands of the State Superintendent of Public Instruction."

Students desiring to matriculate should bring and present to the Dean for his inspection any diplomas, literary or otherwise, which they have.

A student having earned the degree of A. B. or B. S. in a course similar to the Chemical or Biological of John Hopkins University is entitled to a credit of one year.

### ADMISSION TO ADVANCED STANDING

Extracts from rules of the National Association:

That advanced standing in the classes of members of this Association shall not be given students except in the following instances:

First—Where a student shall have taken a full course in a school a member of this Association, or one especially recognized, and shall have successfully passed the required examinations.

Second—When the student shall present evidence of graduation from a reputable medical college, he may receive one year's advance standing.

Colleges of the Association "may receive into the Junior or Senior classes only such students as hold certificates of having passed a satisfactory examination in the studies of the Freshman or Junior years, respectively; this certificate is to be a pledge to any college to which they may apply that a previous year has been spent in the institution from whence they came."

### REQUIREMENTS FOR GRADUATION

1. The candidate for the degree of Doctor of Dental Surgery shall be at least twenty-one years of age and of good moral character.

2. He shall have attended three full courses of lectures, of thirty weeks each, exclusive of vacations, at some recognized

and accredited dental school. The last course shall have been attended at this college.

3. He must have passed satisfactory written examinations by the Faculty on the Lecture Curriculum, and earned a satisfactory rating as to attendance and practical work.

### Precepts and Fees

1. The matriculation fee must be paid to the Secretary before the name of a student will be recorded.

2. The Board of Directors may, in their discretion, give a rebate, should a student be compelled to discontinue his studies, or allow the application of a part of the fees to the succeeding year.

3. The infirmary of the College will be kept open during the entire year. Students who are already matriculated may be admitted to the summer practical course without the payment of extra fees.

4. The Faculty reserves the right to terminate the connection of any student with the institution at any time on the ground of what it may deem mental or moral unfitness for the profession, disorderly conduct, or failure to comply with the rules of the College.

5. The Faculty has the right to terminate the College career of any student convicted of practicing dentistry illegally while under its jurisdiction.

### Schedule of Fees

#### FRESHMEN YEAR.

Matriculation fee (paid but once).....	5.00
Lecture ticket .....	120.00
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	\$125.00

#### JUNIOR YEAR.

Lecture ticket .....	\$125.00
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#### SENIOR YEAR.

Lecture ticket .....	\$125.00
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For further information address

GARRETT NEWKIRK, M. D., Dean,  
Pasadena, Cal.  
or, WM. BEBB, D. D. S., Secretary,  
Temple Block.

# THE COLLEGE OF LAW

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1905-1906

The Law College of the University of Southern California is under the immediate supervision and control of the Board of Trustees of the University. It is managed by a Dean and a Secretary, and a Board of Control all appointed by the University Board of Trustees.

The Law College is located in the Rindge Building, on the corner of Broadway and Third Streets, in the city of Los Angeles. This location is convenient to the Federal Courts, and the State Superior, Appellate and Supreme Courts. The rooms are well fitted up for the use of the students. They are heated by gas and lighted by electricity.

## OBJECT OF THE COLLEGE

The purpose of this college is to impart a sound and thorough legal education and to qualify students for admission to practice in all the courts, not only of this, but of any other state, and in the Federal courts.

All students entering the Law College are entitled to four hours of instruction per week in the College of Liberal Arts without additional cost.

## THE COURSE

The course of study covers a period of three years. By special study it may be completed in two years, although the student must do all of the work prescribed for the three years course. The degree of LL. B. is conferred by the University of Southern California on all graduates of this Department.



The method of instruction is a combination of the lecture, text book and case systems, with practical experience in briefing and pleading.

A moot court and debating club are made a part of the school work. The moot court is presided over by members of the Faculty or other lawyers of experience, and is arranged as far as possible so as to give practical experience in court work, and each student in the middle and Senior years must write at least three briefs, which are examined and graded by the Faculty.

All of the Faculty, both instructors and lecturers, are lawyers in active practice and stand high at the California bar.

Persons who are not studying for a degree may enter the College of Law at any time as special students and may pursue such studies as they desire. This provision is made especially for the aid of those seeking or holding positions of trust in banks and other business institutions.

## LIBRARY

The College of Law has a library of its own, consisting of reports and text books. Students of the Law College have the privilege of using the Los Angeles County Law Library upon the same terms as members of the Los Angeles Bar. This library at present consists of more than 15,000 volumes and includes all of the Federal and State reports, and many Irish, English and Canadian, and a large assortment of text books. Through the courtesy of the Board of Trustees of the Public Library, students have special facilities for the use of books at the City Library, which consists of 115,000 volumes.

## REQUIREMENTS FOR ADMISSION

Persons who desire to enter the Law College must satisfy the Faculty that they have a knowledge of English and History equivalent to the English and History taught in High Schools. An entrance fee of \$10 will be required upon registering, and the fee of \$30 per semester, or \$50 if paid annually in advance, at the beginning of the college year.



Candidates for admission must be at least eighteen years of age and must furnish the Secretary with two certificates of good moral character.

## COURSE OF INSTRUCTION

In addition to the following, special lectures are provided during the year upon subjects which though not really required in a legal course, are yet of much value to those desiring a well-rounded knowledge of the law.

The method of instruction is by text-book and selected cases unless otherwise specified.

Miss Beulah Wright, the Dean of the College of Oratory of the University of Southern California, will conduct classes in Voice Building and Public Speaking, at the College of Law.

### FIRST YEAR.

#### FIRST SEMESTER.

CONTRACTS .....Wm. P. James  
Two Periods.

CRIMINAL LAW .....Frank R. Willis  
Two Periods.

ELEMENTARY LAW AND BLACKSTONE.....Gavin W. Craig.  
Two Periods.

DOMESTIC RELATIONS .....Sam. L. Baker.  
Text-book, One Period.

TORTS .....Gavin W. Craig.  
One Period.

NEGLIGENCE.....Grant R. Bennet.  
One Period.

BAILMENTS .....Frank M. Porter.  
One Period.

#### SECOND SEMESTER.

CONTRACTS .....Wm. P. James.  
Two Periods.

CRIMINAL PROCEDURE .....Frank R. Willis.  
Penal Code and Selected Cases, One Period.

DAMAGES .....	Claire S. Tappan.
	Text-book, One Period.
TORTS .....	Gavin W. Craig.
	Two Periods.
BAILMENTS .....	Frank M. Porter.
	One Period.
ELEMENTARY LAW AND BLACKSTONE .....	Gavin W. Craig.
	Two Periods.
DOMESTIC RELATIONS .....	Sam L. Baker.
	Text-book, One Period.
USE OF BOOKS.....	T. W. Robinson.
BRIEFING .....	
	Lectures, One Period.
	SECOND YEAR.
	FIRST SEMESTER.
COMMON LAW PLEADING .....	John D. Works.
	Text-book, Two Periods.
PRIVATE CORPORATIONS .....	Mattison B. Jones.
	Text-book, One Period.
AGENCY .....	Frederick W. Houser.
	One Period.
WILLS .....	Curtis D. Wilbur.
	One Period.
EVIDENCE .....	Frank M. Porter.
	One Period.
REAL PROPERTY .....	Wm. M. Hiatt.
	Text-book, One Period.
COMMERCIAL PAPER .....	W. C. Petchner.
	One Period.
JUSTICE COURT PRACTICE .....	Gavin W. Craig.
	Code of Civil Procedure of California and Lectures,
	One Period, part of Semester.
PATENTS .....	James R. Townsend.
	Lectures, One Period, part of Semester.
MOOT COURT, One Period.	

## SECOND SEMESTER.

COMMON LAW PLEADING .....	John D. Works.
Text-book, Two Periods.	
PRIVATE CORPORATIONS .....	Mattison B. Jones.
Text-book, One Period.	
EVIDENCE .....	Frank M. Porter.
One Period.	
EQUITY .....	Grant R. Bennett.
Two Periods.	
COMMERCIAL PAPER .....	W. C. Petchner.
One Period.	
REAL PROPERTY.....	Wm. M. Hiatt.
One Period.	
WILLS AND PROBATE LAW .....	Curtis D. Wilbur.
One Period.	
MOOT COURT, One Period.	

## THIRD YEAR

### FIRST SEMESTER.

EQUITY PLEADING AND CODE PLEADING .....	Lewis R. Works.
Two Periods.	
REAL PROPERTY .....	Wm. M. Hiatt.
Two Periods.	
EQUITY .....	Grant R. Bennett.
Selected Cases, Two Periods.	
EVIDENCE .....	Frank M. Porter.
Two Periods.	
PRIVATE CORPORATIONS .....	Mattison B. Jones.
One Period.	
CONSTITUTION LAW .....	W. A. Cheney.
Lectures and Selected Cases, One Period.	
MOOT COURT, One Period.	

## SECOND SEMESTER.

CODE PLEADING .....	Lewis R. Works.
Code of Civil Procedure, Two Periods.	
EVIDENCE .....	Frank M. Porter.
One Period.	
PUBLIC CORPORATIONS .....	W. A. Cheney.
Lectures and Selected Cases, One Period.	
CONSTITUTIONAL LAW .....	W. A. Cheney.
Lectures, One Period.	
California Lien Law .....	Frank James.
Lectures	
Appeals .....	J. W. Swanwick.
3 Lectures.	
Water Rights .....	E. W. Britt.
8 Lectures.	
One Period.	
Federal Practice .....	E. W. Camp.
Lectures.	
Admiralty .....	E. W. Tuttle.
4 Lectures.	
Bankruptcy .....	W. T. Craig.
5 Lectures.	
One Period.	
Statutory Interpretations.....	T. W. Robinson
7 Lectures	
Advocacy .....	Earl Rogers.
6 Lectures.	
Legal Ethics .....	John D. Pope.
3 Lectures.	
One Period.	
Medical Jurisprudence .....	N. P. Conrey.
6 Lectures.	
Insurance Law .....	Seward A. Simmons.
8 Lectures.	
One Period.	
MOOT COURT, One Period.	

## DEBATING CLUB WORK FOR ALL CLASSES.

Attendance at 90 per cent. of the lectures and recitations is required for promotion or graduation.

Examinations are given at the end of each semester. A grade of 75 per cent. on examinations and daily work, in each subject, is required for promotion or graduation.

Attendance at 70 per cent. of Moot Court and Debating Club sessions is required.

A graduate Course is being arranged which will lead to the degree of Master of Laws.

Applicants for admission to the graduate class must be at least twenty-one years of age. The graduate course will be open to those, otherwise qualified, who have received the degree of Bachelor of Laws from this Law College, or from any approved law college, maintaining an undergraduate course of not less than three years of nine months each. Those only who are especially approved by the Faculty will be admitted to the course.

The course will cover the following and other subjects:

Mexican Land and Mining Law, International Law, Conflict of Laws, Contracts in Restraint of Trade, Military Court Martials, Problems relating to Capital and Labor, Diplomacy, Roman Law.

Those desiring further information relative to the College of Law may obtain it by writing for its special Announcement.

Address all communications:

UNIVERSITY OF SOUTHERN CALIFORNIA

COLLEGE OF LAW,

Rindge Building, Los Angeles, Cal.

FRANK M. PORTER, *Dean*.

GAVIN W. CRAIG, *Secretary*.

# THE COLLEGE OF MUSIC

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## GENERAL STATEMENT

The College of Music offers extensive courses in nearly all departments of musical instruction, and is designed to fit students for the profession as composers, theorists, artists, and teachers. It also provides for the study of music as a part of general culture or as an accomplishment.

It occupies a large building on the University campus, on the first floor of which are the Dean's office, the reading-room and library, and the piano, vocal and harmony class rooms. On the second floor are practice rooms, with ample equipment. The fortnightly pupils' recitals are held in the College assembly room, which contains a \$2000 pipe organ, blown by an electric motor.

Plans are being drawn for a new modern building for the use of this department. This will probably be completed in time for the opening of the new school year in September.

The courses of study are very thorough and complete, and the faculty includes some of the ablest and most widely known teachers in the Southwest.

## Educational Plan

The educational system of the School is divided into three general departments: the Preparatory, the Normal and the Collegiate.

The Preparatory department is open to all persons above seven years of age, with or without any previous knowledge of music. It is intended to prepare for the Normal, and also to meet the wants of those who have not the time or the inclination to enter upon an extended course, but desire the best possible instruction during the time they may devote to this study.

The Normal department is designed for students preparing for the profession as teachers, and for amateurs desirous of obtaining a thorough training in the art and science of music.

The Collegiate department is open to those who have taken the Normal course or its equivalent, and is designed to take up the more advanced work of the artist and virtuoso.

College Students who take theoretical, or advanced instrumen-

tal or vocal work in the College of Music may receive a maximum credit of eight semester hours in the College of Liberal Arts.

## Recitals

A feature of the greatest value to the students is the fortnightly pupils' recitals, at which the pupils are expected to play or sing before the whole school, as their teachers may direct. In this way nervousness in public appearance, the bane of so many performers, is soon overcome. Pupils thus have the opportunity to hear and become familiar with the music of the other departments of the School. In connection with these recitals there are brief talks by members of the Faculty and others, on musical and allied topics. Public recitals are also given by the Faculty and advanced pupils. Music students are given free admission to all public exercises of the School and to the classes in sight singing.

## Chorus Work

The Ladies' Chorus of the University and the College Glee Club for young men furnish opportunity for the best of chorus drill under Prof. Walker. The Glee Club has gained a splendid reputation by its work all over Southern California.

## The Pipe Organ

Special attention is given to the study of the organ. Besides the chapel organ, the large organ in the University (Simpson) Auditorium is now a part of the equipment of the organ department and available for practice only to our students. Both these organs are blown by electric motor and the charge for rental is no more than blower's fees would be in an organ blown by hand.

## Diplomas

The diplomas of the University are given at the completion of the Normal and Collegiate courses.

The requirements for graduation in any department are the completion of the prescribed course in that department, at least one year's work in which must be done in this School; the completion of the Normal course of three terms in harmony and one term in theory; and the public performance during the Senior year of an entire program, under the direction of the department teacher.



### Business Regulations

Students entering after the opening of the term will register for the remaining portion, and will be charged pro rata. The work of the term begins on the date advertised, and students who enter late will find themselves behind their classes.

No allowance will be made for absence from classes, such as harmony, for less than a half term.

No deduction will be made for temporary absence from lessons. Lessons missed will be made up to pupils if notice of the intended absence is given at the previous lesson.

A discount of fifteen per cent. is allowed to the children of Methodist ministers.

A fee of \$5 will be charged for diploma.

### Tuition Fees

A Term or Semester consists of nineteen weeks. Fees are payable to the Dean only, monthly in advance.

Voice, two lessons per week (of 30 minutes each)....\$47.50

Voice, one lesson per week (of 30 minutes each)..... 28.50

Piano, Mr. Skeelee, two lessons per week (45 minutes).. 76.00

Piano, Mr. Skeelee, one lesson per week (45 minutes).... 38.00

Piano, Miss Morris, or Miss Trowbridge, two lessons per week (45 minutes) ..... 38.00

Piano, Miss Morris, or Miss Trowbridge, one lesson per week (45 minutes)..... 19.00

Pipe Organ, two lessons per week (45 minutes)..... 76.00

Pipe Organ, one lesson per week (45 minutes)..... 38.00

Violin, two lessons per week (30 minutes)..... 57.00

Violin, one lesson per week (30 minutes)..... 28.50

Harmony and Theory, private lessons, one per week.... 28.50

Harmony and Theory, class lessons, two per week..... 12.50

Rental of Pipe Organ, one hour each day, including blowing, per term..... 17.10

Rental of Pipe Organ, two hours each day, per term.... 28.50

Rental of Piano, one hour each day, per term..... 4.00

For further information address,

W. F. SKEELE,

841 W. 37th St., Los Angeles.

# THE COLLEGE OF ORATORY

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BEULAH WRIGHT,

*Dean and Professor of Oratory and Dramatic Art.*

(Graduate Cumnock School of Oratory, Northwestern University,  
and School of Oratory, Baker University.)

NELVE M. DICKSON,

*Professor of Expression and Physical Training.*

(Graduate Cumnock School of Oratory, Northwestern University,  
and School of Expression, Upper Iowa University.)

The system used in the College of Oratory is based upon the Cumnock Method, founded by Robert McLean Cumnock D.D., Director of School of Oratory, Northwestern University, Evanston, Illinois.

The purpose of a true School of Expression should be to develop character and to prepare one to live. Our aims are therefore:

First—Upbuilding the inner man;

Second—Preparing the body to express the inner man;

Third—Developing the individual.

It is absolutely essential that one should learn to express himself from the heart out. The result is a genuineness of character, a naturalness and simplicity, together with personal power.

The College of Oratory is closely connected with the University. The mere association with University life and ideals is always broadening and uplifting. The student has the advantage of taking English, and other required studies under University professors, and the opportunity of laying a deeper foundation in a

thorough College training. No reader can be any greater than he himself is.

A great deal of attention is paid to the Department of Public Speaking, Ministers, theological students, or any who may have occasion to address audiences, will find this work of great value.

### COURSES OF STUDY

COURSE I. Fundamental principles of expression, English phonation, enunciation, interpretation of selections from Cumnock's Choice Readings.

COURSE II. Voice building, breathing, tone placing, bodily expression, interpretation of selections from Cumnock's Choice Readings.

COURSE III. Interpretative work from Modern writers; Kipling, Barrie, Van Dyke, Riley, Kate Douglas Wiggin, Maclaren, Dunbar and others.

COURSE IV. Oratory. Sears' History of Oratory and Modern Eloquence.

COURSE V. Bible and Hymn reading. Curry's Vocal and Literary Interpretation of the Bible.

COURSE VI. Debate and Extemporaneous Speaking.

COURSE VII. Shakespeare: Julius Cæsar, Macbeth, or Hamlet; As You Like It; Two Gentlemen of Verona, or Much Ado About Nothing.

COURSE VIII. Repertoire, abridgement of books and classics for public presentation, arrangement of programs, impersonation. (Advanced students only.)

### Certificate Course

The required work in this course consists of: Two years of private work, two lessons per week; Courses I, II and III, and three of the remaining five courses to be elected; two years of Physical Training; Mediæval History, and not less than two years of English. It is possible for a student to complete this course in two years.

### Diploma Course

The work required in this course consists of: Three years of private work, two lessons per week; the eight courses; one year advanced Physical Training in addition to the two years required Gymnasium work; college work sufficient to enroll a student as a Junior in the College of Liberal Arts.

### RECITALS

Pupils' recitals are given every two weeks, on Tuesday at 4 p. m., in the Aristotelian Literary Hall. The participation in these recitals by students is required that the student may have practice and gain confidence in appearing before audiences. All students enrolled in the school are expected to be present at each recital. Admission to friends is by card.

Faculty recitals are given each semester by the instructors in the school, or by artists from the outside.

### PHYSICAL EXPRESSION

"Is not that the best education which gives to the mind and to the body all the force, all the beauty and all the perfection of which they are capable?"—Plato.

Special Classes in Physical Culture are conducted for the Oratory students. The laws which underlie Physical Expression are here studied and such exercises are given as will best develop the pupil toward health, expressiveness of movement and grace. It is the aim of this work to bring the body under perfect control of the will, and to teach the principles of gesture in such a manner as to give spontaneity and freedom from affectation.

A Normal Course in Physical Education has been arranged to meet the needs of those desiring to teach this work. The course includes Hygiene, Physiology, Anatomy, Voice Building, Gymnastics, Athletics, Physical Culture and Practice Teaching.

### CHILDREN'S DEPARTMENT

This course is planned for children under twelve years of age. Classes are organized in Expression, where the children are trained in common reading, and in the delivery of recitation.

Classes are also formed in Physical Culture where children are taught correct breathing, standing, walking, sitting, and ease and lightness of movement. Exercises are given to correct individual faults of body, such as round shoulders and hollow chests.

### TUITION

(Fees are payable to the Dean in Advance).

Instruction per semester (18 weeks).

Full course, including two private lessons per week, Physical Training, one or more classes in Expression, and English .....	\$60.00
Two private lessons per week (45 minutes).....	50.00
One private lesson per week (45 minutes).....	25.00
A Course of ten lessons .....	\$15.00 to 20.00
Single lessons .....	\$ 1.00 to 2.50
Class, two periods per week (50 minutes).....	10.00

### Physical Education

Full Normal Course .....	\$35.00
One private lesson per week (45 minutes).....	20.00

### Children's Department

Two private lessons per week, Expression (30 minutes) ..	\$35.00
One private lesson per week, Expression (30 minutes) ..	20.00
Class Expression, Course of 15 lessons .....	5.00
Class Physical Culture, Course of 15 lessons .....	3.00

A discount of ten per cent. on all private work will be given to Ministers.

The diploma fee is \$5.00

The Certificate fee is \$3.00.

A student in the College of Liberal Arts may elect a maximum of sixteen semester hours in the College of Oratory. See Page 53.

## THE COLLEGE OF FINE ARTS

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The Los Angeles College of Fine Arts is situated at beautiful Garvanza. The COLLEGE BUILDING is surrounded by spacious and beautiful grounds on the cliff overlooking the famous Arroyo Seco, where the outdoor classes find ample material for sketching, in pool and running stream, magnificent mountain and foothill scenery, groves of superb old live oaks and sycamores.

In this land of sunshine, outdoor work is practicable and enjoyable throughout the year.

Trips are occasionally made to the nearer Missions or to the Sea Beaches, or the mountains, all of which are within easy reach by trolley.

IN THE PICTURE GALLERY a permanent exhibit of high class work is maintained. This is open to the public on Friday afternoons, and to the students of the school at all times.

CLASSES FOR MEN AND WOMEN in Drawing, Clay-Modelling Composition, Painting in Oil, Water Color or Pastel, Illustrating for books and newspapers.

A FULL TEACHER'S COURSE includes Mechanical Drawing, Projection, Perspective, Freehand Drawing, Painting in Water Color and Oil, Art History, Classic and Sacred History, Anatomy.

THE COURSE IN DRAWING AND PAINTING covers three full years' work and entitles the student to a diploma on passing the required examination.

DIPLOMAS and other honors are conferred by the University of Southern California, with which institution the College of Fine Arts is affiliated.

SPECIAL BRANCHES may be taken separately from the course

and certificates of proficiency will be granted by the College of Fine Arts, on passing the required Examinations.

CREDITS will be allowed for work done in other schools or colleges where proficiency is shown.

A COMPETITION takes place once a month, open to all students in the life and portrait classes. A prize is awarded which entitles the winner to certain school privileges.

A GOLD MEDAL is awarded at the close of the school year to the student having made the best record for the year.

SCHOLARSHIP.—To the full course graduate making the best year's record, a scholarship of one year's graduate work will be awarded.

A SUMMER SCHOOL is maintained during the vacation months with classes in outdoor sketching life, portrait and still life.

### Admission of Students

No examination is required for entering the primary classes in any branch.

For the advanced class an example of work must be submitted showing the students fitness.

Students may enter the school at any time during the school year.

### Classes

Life Classes.—Monday, Wednesday and Saturday.

Portrait Classes.—From the draped model on Tuesday and Thursday.

Out door sketching.—Friday morning.

Juvenile Classes.—Saturday morning.

Modelling Classes.—Tuesday and Thursday.

Anatomy Lecture with demonstrations from skeleton and life.—Wednesday afternoon.

Art History Lecture with blackboard and other illustrations.—Monday afternoon.

(Mrs. Bertha Rundstrom is in charge of the classes at the College of Liberal Arts.)



## Fees

6 Lessons per week .....	\$10.00 per month.
3 Lessons per week .....	5.00 per month.
2 Lessons per week .....	4.00 per month.
1 Lesson per week .....	3.00 per month.
Single Lessons, each .....	\$ 1.00
Full Collegiate Year .....	75.00
Per Semester .....	40.00
Private Lessons, each .....	2.00

LECTURE COURSES FREE TO ENROLLED STUDENTS.

Artistic Anatomy .....	\$10.00 per year.
Art History .....	10.00 per year.

*The Matriculation Fee is Five Dollars.*

*All Fees Payable in Advance.*

W. L. JUDSON, *Dean*,  
212 Thorne St., Los Angeles, Cal.

# THE PREPARATORY SCHOOL

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## CALENDAR, 1905-06

1905

Sept. 18	Monday.....	} Entrance examinations and registration
Sept. 19	Tuesday.....	
Sept. 20	Wednesday....	First semester begins at 8:30 a.m.
Nov. 30	Thursday....	} Thanksgiving recess
Dec. 1	Friday.....	
Dec. 21	Thursday.....	Christmas vacation begins at 4:30 p.m.

1906

Jan. 3	Wednesday....	School exercises resumed at 8:30 a.m.
Jan. 25	Thursday .....	Day of Prayer for Schools
Jan. 26	Friday .....	} Mid-year examinations
Jan. 31	Wednesday..	
Feb. 1	Thursday .....	Second semester begins at 8:30 a.m.
Feb. 22	Thursday .....	Washington's Birthday; a holiday
Mar. 30	Friday .....	Spring vacation begins at 4.30 p.m.
April 10	Tuesday .....	School exercises resumed at 8:30 a.m.
May 30	Wednesday....	Memorial Day; a holiday
June 14	Thursday....	} Final examinations
June 19	Tuesday ....	
June 20	Wednesday ....	Graduation Exercises

## GENERAL STATEMENT

The Preparatory School is maintained in connection with the College of Liberal Arts. The classes are instructed either by the College professors, or by teachers under their supervision. The students enjoy all the general advantages open to students in the College including library, lectures, laboratories, religious and social privileges.

While the work of this school is mainly that of preparing

students directly for the College, yet without lessening the work in this direction, the authorities realize the importance of giving increased attention to the large number of young people who desire academic instruction, but do not wish to devote the necessary time and means to secure a collegiate education. For this large and worthy class, the school purposes to provide sufficient facilities, so that in the limited time at their command they may acquire some preparation for their future work.

### **Requirements for Admission**

Applicants must have finished work equivalent to that required for admission to the high schools. They must show evidence of fitness to begin the work of the classes in the school. Persons who wish to take a partial course, or to select their studies, can enter the preparatory school without a formal examination, and pursue such subjects as they may be prepared to take.

### **Registration**

The methods and regulations in registration are the same as those in the College (page 30).

### **Absence from Exercises**

The rules and regulations concerning absences from required exercises are the same as in the College (page 32).

### **Reports**

Reports of standing are sent to the parents or guardian of each student each semester. The Faculty desire the co-operation of parents in their efforts to maintain a high grade of scholarship and deportment.

### **Graduation and Diplomas**

The Preparatory School has a special evening set aside in commencement week for its graduation exercises.

Each student who completes one of the regular courses of study will be granted a diploma.

### **Literary Society**

The Webster Literary Society is composed of young men who meet each week for training in public speaking.

# COURSES OF STUDY

The regular courses of study are four in number, any one of which is designed to prepare students to enter the College of Liberal Arts, or institutions of similar standing. A student who has completed one of these courses is admitted to the College without examination.

	A	B	C	D
FIRST YEAR	5 English 5 Latin 5 Algebra 4 <i>Drawing (elective)</i> 2 Physical Training	5 English 5 Latin 5 Algebra 4 <i>Drawing (elective)</i> 2 Physical Training	5 English 5 Latin, French or Spanish * 5 Algebra 4 <i>Drawing (elective)</i> 2 Physical Training	5 English 5 Latin, French or Spanish * 5 Algebra 4 Drawing 2 Physical Training
SECOND YEAR	5 English 5 Latin 5 Ancient History 5 Greek 2 Physical Training	5 English 5 Latin 5 Ancient History 4 Zoology or Botany 2 Physical Training	5 English 5 Latin, French or Spanish * 5 Algebra 4 Zoology or Botany 2 Physical Training	5 English 5 Latin, French or Spanish * 5 Algebra 4 Drawing 2 Physical Training
THIRD YEAR	5 English, Zoology or Botany 5 Latin 5 Plane Geometry 5 Greek 2 Expression	5 English 5 Latin or Algebra 5 Plane Geometry 5 German 2 Expression	5 English 5 Chemistry 5 Plane Geometry 5 German 2 Expression	5 English 5 Chemistry 5 Plane Geometry 5 German 2 Expression
FOURTH YEAR	5 American History; Civics 5 Latin 5 Physics 5 Greek 1 <i>Algebra-Lectures(elective)</i>	5 American History; Civics 5 Latin or Mathematics (A)† 5 Physics 5 German 1 <i>Algebra-Lectures(elective)</i>	5 American History; Civics 4 Zoology, Botany or Mathematics (A)† 5 Physics 5 German 1 Algebra-Lectures	5 American History; Civics 4 Mathematics (A)† 5 Physics 5 German 1 Algebra-Lectures

NOTE:— The figures denote the number of class recitations (or their equivalent in laboratory work and drawing) per week. All subjects except those in italics are required.

\* In courses C and D the language chosen in the first year must be continued in the second.

† Mathematics (A) includes Solid Geometry, Trigonometry, and a review of Algebra.

## DEPARTMENTS OF INSTRUCTION

## ENGLISH

*First Year*

## FIRST SEMESTER

- I. COMPOSITION: One theme a week; Description and Narration. Special attention to paragraph-structure.
- II. RHETORIC: Lockwood and Emerson. One hour a week.
- III. CLASSICS: Three hours a week.
  - 1. Scott: The Lady of the Lake.
  - 2. Carlyle: Essay on Burns.
  - 3. Burns: Selected Poems.
  - 4. Lowell: Vision of Sir Launfal.

## SECOND SEMESTER

- I. COMPOSITION: One theme a week. Continuation of work of first semester.
- II. RHETORIC: Lockwood and Emerson. One hour a week.
- III. CLASSICS: Three hours a week.
  - 1. Sir Roger De Coverley Papers.
  - 2. Shakspeare: Merchant of Venice.
  - 3. George Eliot: Silas Marner.
  - 4. Goldsmith: Deserted Village.

*Second Year*

## FIRST SEMESTER

- I. COMPOSITION: One theme a week; Description. Special attention to rhetorical structure.
- II. RHETORIC: Gardiner, Kittredge and Arnold. One hour a week.
- III. CLASSICS: Three hours a week.
  - 1. Scott: Ivanhoe; Lectures on the Development of the Novel.
  - 2. Coleridge: The Ancient Mariner; Comparative Study of the Folk-Ballad.
  - 3. Milton: L'Allegro, Il Penseroso.

## SECOND SEMESTER

- I. COMPOSITION: One theme a week; Exposition. Special attention to unity, clearness, force and emphasis.

- II. RHETORIC: Gardiner, Kittredge and Arnold. One hour a week.
- III. CLASSICS: Three hours a week.
  - 1. Macaulay: Essay on Warren Hastings.
  - 2. Shakspeare: Julius Cæsar.
  - 3. Tennyson: Idylls of the King. (Selections.)

### *Third Year*

#### FIRST SEMESTER

- I. COMPOSITION: One theme a week, expository or argumentative.
- II. HISTORY OF ENGLISH LITERATURE: Stopford Brooke. One hour a week.
- III. CLASSICS: Three hours a week.
  - 1. Gray: The Elegy, The Bard.
  - 2. Wordsworth: Tintern Abbey, Ode on Intimations of Immortality, Ode to Duty.
  - 3. Keats: The Eve of St. Agnes, Ode to a Nightingale.
  - 4. Milton: L'Allegro, Il Penseroso, Lycidas, Selected Sonnets. (After 1904-1905, L'Allegro and Il Penseroso will be omitted, and Comus will be added).
  - 5. Burke: Speech on Conciliation.

#### SECOND SEMESTER

- I. COMPOSITION: One theme a week, argumentative, descriptive or narrative.
- II. HISTORY OF ENGLISH LITERATURE: Stopford Brooke. One hour a week.
- III. CLASSICS: Three hours a week.
  - 1. Shakspeare: Macbeth.
  - 2. Webster: Reply to Hayne (with rapid reading of Hayne's speech).
  - 3. Shelley: The Cloud, Ode to a Skylark.
  - 4. Browning: Andrea del Sarto, Abt Vogler, Rabbi Ben Ezra.

## EXPRESSION

Two hours a week, throughout the year, for students in the third year. This course is designed to make the student more proficient in common reading, and to enable him not only to interpret clearly the literary thought, but to express it as well.

Much stress is laid upon English Phonation. Perhaps there is no subject in education that is of so much importance, and yet so deeply neglected. "The manner in which one speaks his mother tongue is looked upon as showing more clearly than any other one thing what his culture is, and what his associations have been." Selections from the best literature will be used in the study of the principles of vocal expression. Sight reading will be one of the features of the work.

## FRENCH

### *First Year*

The aim of the work in this year is to enable the student to pronounce, understand, read and write very simple French. To this end is given constant drill in reading aloud, writing from dictation, and *viva voce* translation, as well as the ordinary work in grammar and writing of exercises.

The vocabulary is increased by the memorizing of poems, and there is a constant endeavor to train the ear as well as the eye. The grammar work comprises the forms and simple uses of the article, noun, adjective and pronoun, with the regular conjugations and some of the commonest irregular verbs.

### *Second Year*

The grammar is finished and reviewed. Increased facility in translation is acquired by the reading of a large amount of easy and interesting prose, and one recitation period a week is devoted to the rendering into French of connected English prose based on the text which is being read. A modern comedy is read at sight. This part of the recitation is conducted almost entirely in French.



## GERMAN

### *First Year*

Spanhoofd's *Lehrbuch der deutschen Sprache*. This text book provides the material for a first year's course. It comprises studies in pronunciation, grammar, drill on the forms, and various anecdotes and poems for translation and memorizing. Further interesting reading is taken from Guerber's *Märchen und Erzählungen*, Part I.

### *Second Year*

Translation of modern German stories and plays. Storm's *Immensee*, Wilhelm's *Höher als die Kirche*, and others, are read. Two exercises a week from Wesselhoeft's *German Composition*, Parts I and II. Joynes-Meissner's *Grammar* forms the basis for a systematic continuation of the grammar work of the first year.

## GREEK

### *First Year*

White's *First Lessons* is used throughout the year. The aim of the first year's work is thoroughly to acquaint the pupil with *forms*.

### *Second Year*

During this year the first four books of Xenophon's *Anabasis* are translated and selections from the fifth book are read *at sight*. The work is made the basis of a thorough drill in grammar. Goodwin's *Greek Grammar* is used for reference.

### *Third Year*

Books I-III Homer's *Iliad* are read and translated. Special attention is given to the peculiarities of the Homeric forms, to the scansion of dactylic hexameter, and to the mythological references. Pearson's *Greek Prose Composition* is used throughout the year.

## HISTORY

The work in History is carried on by means of text-books, lectures, essays, and library work. Constant reference is made to the atlas and dictionary, maps are drawn, essays required, and the topical method is used for special subjects. Full and carefully kept notebooks are required in all the subjects in this department.

I. ANCIENT HISTORY: Greek and Roman History. Five hours a week, throughout the year.

II. AMERICAN HISTORY and CIVICS: Five hours a week, throughout the year.

## LATIN

### *First Year*

The aim of the first year's work is to attain an accurate pronunciation, a thorough knowledge of all the regular forms of declension and conjugations, together with the simpler principles of syntax, and a vocabulary of about eight hundred common words.

Text: Collar and Daniell, First Year Latin.

### *Second Year*

Four books of Caesar's Gallic War are read. Regular forms are reviewed and essential irregular forms are learned in a systematic study of Latin grammar. There is daily practice in oral or written translation into Latin of exercises based on the text read; and sight translation is an important part of the year's work. Some attention is given to subject matter.

Texts: Kelsey's Cæsar's Gallic War. Bennett's Latin Grammar. D'ooge's Latin Composition, Part I.

### *Third Year*

In the reading and interpretation of six of Cicero's orations the time is equally divided between language and subject matter. The grammar is thoroughly reviewed in daily oral or written composition based on the text. An attempt is made to gain a definite knowledge of Cicero and his age, of the Roman gov-

ernment in Cicero's time, and of the city of Rome. The simpler letters are read at sight.

Texts: Kelsey's Selected Orations and Letters of Cicero. Bennett's Latin Grammar. D'ooge's Latin Composition, Part II.

#### *Fourth Year*

The first six books of Virgil's Aeneid are read and interpreted. A special effort is made to approach the work as *poetry*. Prosody, figures of speech, mythological references, and poetical constructions are studied. Metrical reading is insisted upon. An idea of the Aeneid as a whole is gained by the sight reading of portions of the last six books. The entire grammar is reviewed in weekly prose composition.

Texts: Comstock's Virgil's Aeneid. Bennett's Latin Grammar. D'ooge's Latin Composition, Part III.

## MATHEMATICS

The aim of the course in mathematics is to cultivate the habits of independent reasoning, of accuracy of work, of precision and clearness in the statement of conclusions and the reasons upon which they depend. First in importance is the intellectual training that makes the mind a ready and keen tool; second, the orderly acquisition of facts. Absolute thoroughness and work that increases in amount and difficulty with the student's increasing capacity, are required. *The student's efficiency is measured by his power to do.* Throughout the course written reviews and test examinations are frequent.

### Algebra

I. Fisher and Schwatt's Secondary Algebra, through Quadratics, five hours a week, throughout the year. Special emphasis is placed on factoring and on the solution of equations. The object of the study is not only to acquire a knowledge of the subjects required for admission to the leading universities, but to secure the mental discipline for its own sake, and such a drill as looks to the use of the algebraic method in future study.

II. Beman and Smith's Elements of Algebra, five hours a week, throughout the year. The text-book work is supplemented by lectures. These lectures are on the theory of algebra, and are a most important part of the work. This course is open only to those who have taken Course I.

III. Fisher and Schwatt's Higher Algebra, two hours a week, throughout the year. This course is given as an elective for students of marked mathematical ability, and is open only to those who have taken Course II.

### Geometry

I. Plane Geometry, five hours a week, throughout the year. Careful attention is given to constructions, clear and logical expression, and above all to the attainment of the power to do original work in geometry. The exercises of the text-book are supplemented by constant suggestions by the teacher for investigations.

II. Solid Geometry, three hours a week, during the first semester.

### Trigonometry

Plane Trigonometry, and the study and solution of the Right Spherical Triangle, three hours a week, during the second semester. This course also includes a brief study of Logarithms.

## DRAWING

### *First Year*

Eight hours a week, throughout the year.

First Semester, FREEHAND DRAWING: Elementary line work from geometric solids and simple natural objects.

Second Semester, INSTRUMENTAL DRAWING: Linear drawing, simple geometric problems, lettering.

### *Second Year*

Eight hours a week, throughout the year.

First Semester, FREEHAND DRAWING: Advanced line work in pencil from casts and still life, flat wash in black and color.

Second Semester, INSTRUMENTAL DRAWING: Advanced geometric drawing, conic sections, projection.

## PHYSICAL TRAINING

### *First Year*

Systematic class work. This consists of vigorous drill with dumb bells, clubs, bar bells, etc., for the men; for the women, general development exercises in walking and running, simple, free movements, recreative games and outdoor sports. Required of all first year students. Two hours a week, throughout the year.

### *Second Year*

Progressive graded work on various pieces of gymnastic apparatus, mat work and gymnastic games for the men; more difficult free movements, relaxing exercises, mat work, walking, drill, and dumb bells, and games in the open air for the women. Required of all second year students. Two hours a week, throughout the year.

## SCIENCE

### *Biology*

Botany and Zoology, each given as a full course of eight hours per week, for one year. The work in each is a combination of laboratory study, lectures and recitations, with a careful notebook record of the work actually done by the student under the direction of the teacher. The ground covered and the method employed are such as fully meet the requirements of any college to which the student might desire to go.

### *Chemistry*

The subject of Chemistry continues throughout the year, and includes all the general principles—theoretical and practical—of inorganic chemistry, such as given in Remsen and Randall's Chemical Experiments. Recitations and individual laboratory work occupy not fewer than seven hours per week. A special effort is made throughout to develop the scientific habit of thought and to lead the student to observe the chemical changes constantly taking place. In the laboratory each student is furnished with a desk and all necessary reagents and apparatus, and is required to keep a complete record of work done during the year.

A laboratory fee of seven dollars per semester, and an additional deposit of five dollars is required. The loss by damage or destruction of apparatus will be deducted from the deposit of five dollars, and the balance refunded at the close of the semester.

### Physics

The most modern treatment is given all the subjects usually studied in this course. The first semester is devoted chiefly to molar dynamics; the second to molecular and ether dynamics, with special emphasis placed upon electricity, and some of its applications and recent developments. Recitations and practical work occupy not fewer than seven hours each week throughout the year. The aim of the course is to acquaint the student with all the fundamental principles, both theoretical and practical. The method of individual and experimental study with carefully recorded results, is insisted upon.

A laboratory fee of four dollars per semester is charged.

## SPANISH

### *First Year*

De Tornos' Grammar, Worman's First and Second Readers, Valera's El Pajaro Verde. Five hours a week, throughout the year.

### *Second Year*

De Tornos' Grammar, Cuentos Castellanos, Galdos' Electra, Larra's Partir a Tiempo, Valera's Pepita Jimenez. Conversation and writing in Spanish. Five hours a week, throughout the year.

## GENERAL INFORMATION

For general information concerning location of school, religious privileges, library and reading room, the museum and the science laboratories, athletics and the gymnasium, see pages 56-62.

### The Declamation Prize

A prize of ten dollars, offered to the student who wins in contest in declamation, was awarded in 1905 to Miss Irene Louise Carter.

### Tuition and Fees

*(Per Semester, payable in advance)*

Tuition: Full preparatory course.....	\$30.00
Two studies .....	21.00
One study .....	14.00
(Gymnasium fee, and instruction in physical education included in above.)	
Gymnasium fee, and instruction in physical education taken without other studies.....	6.00
Registration fee, included in above, but not subject to rebate.....	5.00
Laboratory fees:	
Botany .....	4.00
Zoology .....	4.00
Chemistry .....	7.00
Physics .....	4.00

An additional deposit of \$5.00 to cover breakage, is required in Chemistry. This deposit, less cost of breakage, is refunded at the end of the semester.

For three studies full tuition will be charged.

A diploma fee of three dollars is charged the student who completes one of the regular courses of study.

Students who are recommended by a quarterly conference as candidates for the ministry; young women who are recommended for the work of deaconess by a quarterly conference and by the Conference Board of Deaconesses; and the children of min-



isters in the regular work of any evangelical denomination, may have their tuition fees reduced to one-half the regular rate.

A discount of ten per cent. will be allowed on the *second* semester when the tuition fees for the whole year are paid in advance; also a discount of ten per cent. when two or more students enter from the same family.

No rebate will be allowed for less than one-half a semester's enforced absence.

## Rooms and Board

Students are required to submit to the Faculty a statement of the places where they desire to room and to board, and must secure their consent in each case.

Board and furnished rooms can be secured in private families at from three dollars to five dollars per week. Furnished rooms accommodating two students cost from four to eight dollars per month.

Other expenses incident to school life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the school for want of money.

For further information address

PRESIDENT GEORGE F. BOVARD,  
Los Angeles, California.

# THE COMMERCIAL SCHOOL

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PROFESSOR STARKE

The University maintains a fully organized commercial department, in which a full commercial course is provided for those who wish to prepare at once for business pursuits, and in which students of the Preparatory School and of the College of Liberal Arts have an opportunity to get instruction in the commercial branches. Careful instruction in all the elements of a business education is given, including full work in stenography and typewriting. A diploma is given to those who complete the business course or the course in stenography and typewriting.

## COURSES OF INSTRUCTION

### BOOKKEEPING

Our method of teaching the science of accounts makes the subject interesting and comprehensive.

The student learns first to journalize the different kinds of business transactions, and gets the meaning of the terms *debit* and *credit*. He then begins writing regular sets of books from simple and carefully selected business transactions. He is led step by step from the simple to the more difficult work, until he has studied every variety of business transaction and mastered the principles of the subject. The transactions for these sets are carefully chosen, and are well adapted to the study of principles. The student also makes out statements, trial balances, and balance sheets when he closes the ledger accounts. He is now capable of taking up the most fascinating branch of the subject, which is

## BUSINESS PRACTICE

The student now goes to the Exchange and secures his cash, and other resources, with which to begin business. He takes the place of a principal, or of a bookkeeper for a firm, and begins a retail grocery business. He fills out notes, checks, drafts, makes deposits in the bank, writes receipts, makes out bills, statements, etc., and performs every variety of transaction, of which he keeps an accurate record in his books. When this set of books is finished he closes out this business, settles up, and enter the dry goods business, and so on, until he is thoroughly acquainted with the methods of keeping accounts by single and by double entry. Students do the office work by turn until all become familiar with every detail of the work.

## PENMANSHIP

The ability to write a rapid, neat and legible hand is of the utmost importance to those who are to enter upon a business career. There are many clerical positions for persons who can write well, but none for those who cannot.

Recognizing this fact, our course of instruction is designed to lead the student to study and practice the art with the greatest possible pleasure and success. As a result our students soon become good writers and in the pursuit of other commercial branches make all of their papers and books present a creditable appearance. We teach the style of business writing which is taught by the best commercial colleges, and which is indorsed by business men throughout the country.

## COMMERCIAL ARITHMETIC

The aim is to give a thorough training in practical arithmetic. Accuracy and speed in addition, subtraction, multiplication and division are required. Thorough work in fractions is done that the student may not be deficient in this important branch of the subject. Denominate numbers are carefully taught. Percentage and all its applications receive careful attention.

## ENGLISH GRAMMAR

The chief objects to be accomplished in the study of grammar are *accuracy* and *facility* in the use of both spoken and written language.

To secure these ends, a careful study of the principles, forms and laws of discourse is essential. The sentence is the foundation or unit of discourse. All good writing consists of correct sentences properly joined. The student should be able to place the principal and subordinate elements in their proper relation. He should understand the function of every element, its relation to other elements, and its relation to the whole. For this reason great stress is placed upon the importance of composition, the analysis of sentences, and the parsing of words. The aim is to interest and instruct the student in the more practical parts of the subject, and to stimulate and impel him to the use of good language and accurate terms in his every-day pursuits.

## CORRESPONDENCE

As a very large percentage of the business of this country is conducted through the medium of letters, the ability to write a good letter can hardly be overestimated. The person who properly exercises this power may win the esteem and confidence of those who thus know him. This subject, as taught in our business course, embraces correct forms for the different kinds of letters—their parts, the heading, the address, the salutation, the body, the complimentary close and signature. The student becomes thorough by practice in writing letters of introduction, recommendation, application, and complaint, and in ordering goods, making remittances and sending telegrams.

## SPELLING

The ability to spell and pronounce words correctly, and to use the word having the right meaning at all times, is one of the rarest accomplishments. To aid in attaining this desirable end, it is evident that the student should study not only the spelling, or forms of words, but also their real significance and application. The design of the course is to help the student to become proficient in this subject without which no education is complete.

## COMMERCIAL LAW

Business education is incomplete without a knowledge of the laws governing trade. This course requires a careful study of the following subjects: Contracts, Negotiable Paper, Sales of Personal Property, Agency, Partnership, Corporations, Common Carriers, Innkeepers, Insurance, Husband and Wife, Telegraph and Telephone Companies, Patents and Copyrights, Landlord and Tenant, and some others. A text book is used for study and class work, but this is supplemented by lectures.

## SHORTHAND COURSE

Stenography and typewriting are the principal subjects of this course, but a knowledge of English grammar, spelling and letter-writing are required. Graham's Standard Phonography has been chosen as the most desirable system on account of its beauty, brevity, precision of expression, and general harmony of the principles presented. For many years it has been subjected to the most thorough tests in legal, literary, scientific and other forms of reporting. These have been the most convincing evidences of its superiority.

The student is required to master the principles as presented in the corresponding style, before taking up the more advanced work. This is necessary in order to lay a good foundation for the reporting style. The study of amanuensis work then forms an easy stepping stone from the corresponding to the reporting style of writing.

The Remington and Smith Premier typewriters are used, and both the "touch" and "sight" methods of writing are systematically taught.

The exact time required to complete a course cannot be given, since much depends upon the ability and energy of the student. As a general rule, it takes from one to two years to master a course, unless the student has already had a part of the work.

## Tuition Fees

Business course, per semester .....	\$30.00
Shorthand course, per semester .....	32.00

# CATALOGUE OF STUDENTS

## THE COLLEGE OF LIBERAL ARTS

NOTE—The figures indicate the semester hours standing to the credit of the student, February, 1905. The asterisk indicates special students with entrance requirements not fulfilled.

NAME	MAJOR	HOURS	HOME ADDRESS
Addison, Edna Helen.....	.....	*4	.....Los Angeles
Adkinson, Paul Hazen.....	.....	*9	.....Los Angeles
Ames, Grace Lee.....	.....	72	...Buckingham, Iowa
Anderson, Mary Elaine...	.....	13	.....San Dimas
Andrews, Sophie.....	.....	*...	.....Los Angeles
Aoki, Rinsuke.....	.....	...	.....Los Angeles
Graduate of Kyoto, Japan			
Arnold, Martha Margaret	<i>English...</i>	103	.....Los Angeles
Ashcraft, Edwin Perry....	<i>History...</i>	45	.....Palms
Atwood, Amy Loyina.....	<i>Zoology..</i>	33	.....Los Angeles
Avakian, Arsen H.....	<i>Math.....</i>	...	.....Los Angeles
Ball, Adelaide Lucy.....	.....	7	.....Downey
Barnum, William Floyd...	.....	13	.....Gardena
Baruch, Bertha Hirsch....	<i>Phil.....</i>	...	.....Los Angeles
Beckwith, Hermon E.....	<i>History...</i>	9	.....Los Angeles
Bell, Percy Merton.....	<i>Physics...</i>	9	.....Clearwater
Belt, Beulah Ella.....	.....	*...	W. Terre Haute, Ind.
Best, Oliver Warren.....	<i>History...</i>	31	.....Riverside
Black, Clarence Earl.....	<i>Physics...</i>	10	.....Los Angeles
Boardman, Esther Carver	.....	58	.....Los Angeles
Bodkin, Florence.....	.....	*2	.....Los Angeles
Bovard, Marion McKinley	.....	*2	.....Los Angeles
Bovard, Warren B.....	.....	*10	.....Los Angeles

Brodersen, Charles E.....	<i>History..</i>	64	.....Los Angeles
Brown, Zula Frances.....	<i>History..</i>	18	.....Whittier
Buckmaster, Guy W.....	<i>Chem.....</i>	45	.....Whittier
Bunker, Hazel Mae.....	.....	*7	.....Visalia
Burrowes, Esther Morgan.	.....	*...	.....Fort Wayne, Ind.
Butler, Oliver W.....	<i>Math.....</i>	11	.....Downey
Butler, Walter Hughes....	<i>Math.....</i>	43	.....Downey
Carnes, Welcome D.....	<i>History..</i>	18	.....Los Angeles
Carter, Ray Alden.....	.....	14	.....Los Angeles
Casner, Emma Atlanta....	<i>Zoology..</i>	65	.....Santa Paula
Chandler, Mamie Ethel...	<i>Latin.....</i>	67	.....Warsaw, Ind.
Christy, Waldo Berry .....	<i>History..</i>	105	...Phoenix, Arizona
Chrystal, John Edward....	.....	...	...La Dell, S. Dakota
Cliff, Lulu.....	.....	7	.....Oskaloosa, Iowa
Cloud, Marshall Morgan...	.....	...	.....Santa Monica

M. D., Kansas City Medical College  
B. S., University of Southern California

Colter, Alice Dana.....	.....	*...	.....Los Angeles
Cook, Orwyn W. E.....	<i>English..</i>	14	.....San Diego
Cooper, Maurice Edwin...	<i>Phil.....</i>	48	.....S. Pasadena
Cory, Grace Eleanor.....	.....	6	.....Los Angeles
Cox, Joseph M.....	.....	1	.....Los Angeles
Crall, David Edwin.....	.....	27	.....Los Angeles
Damback, Ralph Adrian...	.....	*...	.....Evans City, Pa.
Davidson, Gordon Scott...	.....	6	Pinos Altos, N. Mex.
Dick, Jennie.....	<i>German ..</i>	11	McPherson, Kansas
Downer, Pearl.....	.....	*4	.....Los Angeles
Dyar, Cora Maud.....	<i>English..</i>	25	.....Los Angeles
Dyar, Guy Edward.....	<i>Phil .....</i>	104	.....Los Angeles
Eisner, Theresa Klein.....	.....	...	.....Los Angeles
Faull, Adina May.....	.....	6	.....Los Angeles
Ferguson, James Duncan..	<i>Chem.....</i>	71	.....Globe, Arizona
Foss, Josiah Davis.....	<i>Chem.....</i>	11	.....Los Angeles
Foster, Faith Estelle.....	<i>English..</i>	17	.....Los Angeles
Frame, Roy De Witt.....	.....	...	.....Los Angeles
Garcia, Ernesto Benito....	<i>History..</i>	35	.....Los Angeles
Gaston, Minnie Maria.....	<i>History..</i>	17	.....Riverside
Goetz, William H.....	.....	...	.....Los Angeles
Hall, Bertha Vera.....	.....	...	.....Los Angeles
Hall, Kathryn Myrtle.....	.....	*...	.....Los Angeles



Hamilton, William James .....		13 .....	Goleta
Hamlin, Burton.....	<i>History...</i>	54 .....	Los Angeles
Harris, Walter J.....	<i>Math....</i>	14 .....	Delavan, Wis.
Hasson, Edwin Galen.....		16 .....	Buena Park
Hays, Fern Florence.....		... ..	Loveland, Colorado
Heil, Mildred Elizabeth...	<i>Zoology..</i>	83 .....	Santa Ana
Henderson, Edward A.....	<i>Chem....</i>	83 .....	San Luis Obispo
Henricks, Andrew O.....		... ..	Los Angeles
Higgins, Thomas P.....		... ..	Longford, Ireland
Hobson, Maud Adel.....		13 .....	Fernando
Hollingworth, W. Aimee..	<i>English ..</i>	71 .....	Anaheim
Hoose, James H. Jr.....		... ..	Los Angeles
Hubbard, Catherine.....	<i>German..</i>	12 .....	Fernando
Hubbard, John K.....	<i>History..</i>	68 .....	Mason City, Iowa
Hunt, Carl William.....	<i>Math ....</i>	14 .....	Los Angeles
Hunter, Helen Winifred...		18 .....	Wayne, Neb.
Johnston, John R.....		... ..	Los Angeles
Knoles, Tully Cleon.....	<i>History..</i>	... ..	Los Angeles

## A. B., University of Southern California

Knudsen, Merry K.....	<i>French ...</i>	44 .....	Los Angeles
Koebig, Walter C.....		13 .....	Los Angeles
Layne, Newton Mead.....		14 .....	San Diego
Lennox, Walter John.....	<i>German...</i>	64 .....	Los Angeles
Livoni, John Peter.....	<i>History...</i>	... ..	Los Angeles
Maiken, Maude.....	<i>History...</i>	65 .....	Albia, Iowa
Malcom, Roy.....	<i>History...</i>	74 .....	Compton
Matthews, Pearl Eva.....		... ..	Tabor, Iowa

## B. S., University of Southern California

McCarty, Del Franklin....		... ..	Los Angeles
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## Ph. B., University of Southern California

McCollough, Vernon C....		5 .....	Los Angeles
Merrill, Monroe.....	<i>Chem....</i>	35 .....	Los Angeles
Miller, De Mont George...	<i>Chem....</i>	12 .....	Los Angeles
Miller, Jesse Ray.....	<i>Math ....</i>	113 .....	Los Angeles
Miller, Read Erskin.....		9 .....	Los Angeles
Montgomery, Eugenia L ..	<i>Zoology..</i>	14 .....	Los Angeles
Newsom, Hazel A.....	<i>English..</i>	17 .....	Los Angeles
Nordahl, Henry Afreld....	<i>Math....</i>	17 .....	Escondido
Nutting, Claire Estelle...	<i>English..</i>	12 .....	Los Angeles
Oliver, John.....	<i>History...</i>	... ..	Santa Paula

## A. B., University of Southern California

Osugi, Kanji.....	<i>Phil.....</i>	4	.....Los Angeles
Parmelee, Clara Elois.....	.....	15	.....S. Pasadena
Patterson, Mima F.....	<i>Greek.....</i>	46	.....Los Angeles
Payton, Mabelle Fern.....	<i>German..</i>	45	.....Perris
Peabody, Kathryn.....	.....	5	.....Los Angeles
Perry, Irvin David.....	.....	...	.....Los Angeles

A.B., A.M., Stanford University

Pinger, Harry G.....	<i>Chem.....</i>	11	.....Los Angeles
Pomfret, Mattie J.....	<i>Zoology..</i>	86	.....Los Angeles
Porter, Archie Wm. N.....	<i>History..</i>	12	.....Los Angeles
Powell, Allan Karl.....	.....	...	.....Los Angeles
Randall, Roy McGregor...	.....	...	.....Los Angeles
Reed, Frank W.....	<i>Chem.....</i>	15	.....Moline, Ill.
Reeve, Theresa.....	.....	11	.....Los Angeles
Reutepohler, B. H.....	.....	*	.....Los Angeles
Richardson, Faith H.....	<i>English ..</i>	17	.....Santa Paula
Richter, Max Clemens.....	.....	...	.....San Francisco
Riner, Grace Lucile.....	.....	41	.....Los Angeles
Rodenberg, Wilhelmine M	<i>Greek.....</i>	75	.....Los Angeles
Rosenkranz, Herbert A....	.....	8	.....Los Angeles
Runyon, George Orien.....	.....	28	.....Arroyo Grande
Scott, Charles Holmes.....	<i>History..</i>	97	.....Los Angeles
Seymour, Eleanor C.....	.....	110	.....Los Angeles

M. D., University of Southern California

Shanahan, Philip Spencer	<i>History..</i>	115	.....Los Angeles
Shankland, Sarah E. S....	.....	6	.....Los Angeles
Sherman, Clara Belle.....	.....	...	.....Los Angeles
Sinclair, Daisy.....	.....	13	.....Los Angeles
Southworth, Clarence S....	.....	27	.....Los Angeles
Speicher, Florence C.....	.....	41	.....Los Angeles
Sresovich, Ioka Mary.....	.....	8	.....Los Angeles
Stevenson, Andrew Wm....	.....	...	...Ormstown, Canada
Taggart, Frank Paul.....	<i>History..</i>	53	.....Los Angeles
Taylor, Joseph Leon.....	<i>Greek.....</i>	13	.....Troy, New York
Thornton, Alta Evelyn....	.....	16	.....Norwalk
Thornton, Corliss Russell.	<i>History..</i>	92	.....Norwalk
Tinker, Minnie M.....	.....	*	.....Santa Barbara
Twining, Harry La Verne.	.....	...	.....Los Angeles
Van Dyk, Frank.....	<i>History..</i>	19	.....La Mars, Iowa
Vann, Harold K.....	<i>History..</i>	54	.....Redondo

Veitch, Arthur L.....	.....	*... ..	Los Angeles
Wade, Franklin Sanborn..	<i>Chem</i> .....	63 .....	Hollywood
Walker, Henrietta Mae....	<i>Latin</i> .....	109 .....	Denver, Colorado
Walker, M. Marie.....	<i>Latin</i> .....	... ..	Denver, Colorado
Warden, Carrie May.....	.....	15 .....	Los Angeles
Weaver, Royal Arthur.....	<i>Phil</i> .....	57 .....	Highland Park
Weber, Clarence Edward..	<i>Chem</i> .....	... ..	Los Angeles
Webster, Leila Ione.....	<i>Zoology</i> ..	61 .....	Los Angeles
Westrem, Christine.....	<i>English</i> ...	13 .....	Alhambra
Wheeler, Harold Neal.....	<i>Zoology</i> ..	11 .....	Marysville, Ohio
White, Harry W.....	.....	... ..	Los Angeles

## B. S., University of Southern California

Whitlock, Maud.....	.....	... ..	Los Angeles
Willett, Harriett Mary....	<i>Latin</i> .....	70 .....	Los Angeles
Willett, Hugh Carey.....	<i>Latin</i> .....	34 .....	Los Angeles
Williams, Charles C.....	.....	114 .....	Whittier

## D.D.S., University of Southern California

Wilson, Charles Wm.....	<i>Math</i> .....	8 .....	Los Angeles
Wilson, Maude Alice.....	<i>Zoology</i> ..	42 .....	Phoenix, Arizona
Winchell, Mary Edna.....	.....	40 .....	Clarinda, Iowa

## THE COLLEGE OF MEDICINE

## SPECIALS

Dr. Alexander  
Dr. Krygier

Dr. Tanaka

## FOURTH YEAR

Anthony, G. M.  
Barham, F. F.  
Bayley, W.  
Brown, J. C.  
Brown, N. J.  
Brown, N. N.  
Burt, L. W.  
Cain, L. M.  
Chiapella, J. O.  
Clair, F.  
Cooke, J. L.  
Fordyce, C. W.  
Gaebe, O. C.  
Goodale, R. H.  
Hall, J. H.  
Hollingsworth, L. D.  
Huff, L. J.

Lacey, T. B.  
Lawton, C. W.  
Martin, J. M.  
McArthur, D. D.  
McKellar, J. H.  
Pottenger, J. E.  
Remondino, C. H. E.  
Sayad, E. E.  
Suckow, J. L.  
Thieme, D. A. J. W.  
Voorhees, H. M.  
Wellcome, E. M.  
Wilcox, G. B.  
Wise, P.  
Wood, C. H.  
Zimmerman, A. F.

## THIRD YEAR

Ball, J. T.  
Barnhart, W.  
Bristol, S. A.  
Brunson, L. M.  
Caley, D. M.  
Chamberlain, H. H.  
Conaway, C. B.  
Crowell, I.  
Decker, C. W.  
Dwire, F. B.  
Fales, J. E.  
Farnsworth, D. C.

French, J. R.  
Ham, J. G.  
Huntoon, H. A.  
Kane, M. H.  
Kinney, E.  
Ledyard, C. C.  
Lewis, W. J.  
MacFarland, A. H.  
Meharry, J. S.  
Mattison, E. G.  
Reed, W. J.  
Scherer, W. W. Jr.

Smilley, W.  
Thompson,  
Waterhouse, A. H.

Winter, A. H.  
Wood, W. A.

## SECOND YEAR

Atkinson, C. C.  
Brown, A. R.  
Brown, F. E.  
Campbell, F. C.  
Chaffin, R. C.  
Chambers, F. M.  
Corbin, W. A.  
Jackson, A. H.  
Johnston, I. A.  
Kellogg, J. M.  
Kierulf, B. F.  
Kinney, A. M.  
Lowman, C. L.  
Martin, M. L.  
Morris, M. M.

Mustard, J. J.  
Pickard, J.  
Prigge, H.  
Riggins, P. B.  
Rosenberger, H. G.  
Schroeder, L. A.  
Skinner, G. H.  
Standlee, C.  
Sundin, P. O.  
Trevelyn, J. H.  
Thompson, H. A.  
Townsend, V. R.  
Walker, R. S.  
Wickett, W. H.  
Wright, C. A.

## FIRST YEAR

Bridle, M. H.  
Cahen, C. G.  
Cahen, E.  
Carr, G. S.  
Cook, A. J.  
Cook, C. W.  
Ellis, L.  
Emery, R. D.  
Eversole, H. O.  
Ferguson, L. P.  
Fergusson, P. E.  
Frank, M. A. S.  
Graves, S. E.  
Hastings, S. W.  
Holleran, J. H.  
Horstman, E. H.  
Hull, F. E.

La Motte, L. A.  
Macleish, A. C.  
Magee, A. C.  
Matthews, E.  
Newcomb, R. H.  
O'Brien, J. J.  
Pascoe, E. R.  
Rheinschild, A. P.  
Ross, Karl  
Sawyer, E. H.  
Simonds, P. E.  
Tebbetts, J. H.  
Ulliyott, T. H.  
Valla, L. B.  
Waller, G. P.  
Webber, W. L.  
Weish, E.

# THE COLLEGE OF DENTISTRY

## SENIOR YEAR

Allen, J. L.	Gresham, J. L.
Anderson, W. H. B.	Holcomb, C. L.
Arnold, Burrows C.	Hopkins, J. C.
Bailie, H. C.	Jessup, Arthur H.
Bailey, Ralph	Leavelle, A. B.
Baldwin, I. F.	McDonald, F. S.
Brown, Horace E.	McKenzie, T. W.
Brown, H. G.	Metcalf, James A.
Burdette, Leo W.	Neel, Ross E.
Crandall, G. J.	Price, Rae.
Dixon, Max M.	Ransom, Harry E.
Flanders, Geo.	Shepherd, H. B.
Giguette, Frank A.	Smith, Horace A.
Goodman, N. W.	Stare, C. B.

## JUNIOR YEAR

Boege, Jno. H.	Lockwood, R. C.
Brown, A. Ralph	McBean, Chas.
Clapp, S. W.	McBean, Wm. H.
Darby, Arthur L.	McCoy, Jas. D.
Darby, J. H.	McHargue, W. H.
Fitzgerald, Fred	Nichols, L. E.
Foster, Hattie E.	Oates, James, A.
Foster, W. M.	Sitherwood, Doane L.
Goff, E. E.	Somerville, John O.
Johnson, Alvin	Talhurst, Edw. W.
Justice, J. Amos	West, Alden J.
Kilburn, C. M.	White, Russell W.
Lane, R.	

## FRESHMAN YEAR

Bean, Roy	Magill, J. C.
Burch, Roy A.	Mannell, Harry R.
Curtis, Paul A.	Osenburg, E. E.
Engstrom, Carl Oscar	Ramirez, J.
*Garr, D. H.	Richardson, G. L.
Gurn, E. S.	Shiina, Fatsuzo
Harwood, Harry B.	Skinner, Reginald B.
Kelsey, Mark	Spicer, Perry F.
Lawler, C. E.	Taggart, J. L.
* Not in attendance.	Whelan, Wm. F.

## THE COLLEGE OF LAW

Blickfeldt, Henry W.	McGarvin, D. C.
Boden, George A.	McGowan, J. C.
Bordner, R. O.	McHargue, R. M.
Bowman, A. B.	McMahon, J. J.
Browne, Nat B.	Michelsen, Philalethe S.
Brownfield, I. W.	Miller, L. L.
Campbell, Kemper B.	Montgomery, P. H.
Canne, H. D.	Moore, W. G.
Carrigan, J. W.	Odell, Robert A.
Carper, Frank J.	Palen, J. C.
Cowan, James A.	Pearson, G. W.
Doran, W. C.	Peck, E. C.
Dunn, W. F.	Pense, A. M.
Edwards, D. W. Jr.	Poole, John F.
Fosdick, A. Morris	Saar, William H.
Gaines, W. A.	Shibuya, Seijero
Haas, John B.	Smith, Chester
Hammon, Percy V.	Spring, F. J.
Higgins, Thomas P.	Thompson, Adam
Joos, J. William.	Underhill, Clara V.
Kelch, G. H.	Veitch, Arthur L.
Kuehn, William Louis	Wall, William D.
Leffler, C. B.	Warriner, Harry H.
Lickley, E. J.	Washburn, George C.
Martz, A. J.	Waterman, George A.
Masterson, M. H.	Weisel, H. V.
McDill, G. W.	White, Philip H.
McDonald, Donald H.	Willis, W. H.
McDowell, E. R.	Wilson, Charles S.



THE COLLEGE OF MUSIC

Ahlstrom, Grace	Hall, Bertha
Allen, Perlina	Hall, Kathryn
Anderson, Oria	Harper, Cora
Arnett, Lillian Mae	Hawkins, V. E.
Ball, Adelaide	Hawley, Maude
Barnes, Grace	Hazard, Geo.
Bartlett, Bessie	Henderson, Jennie
Baty, Mrs. G.	Hill, Hazel
Blanchard, Miss A. F.	Hoffman, Grace
Blanchard, Nellie	Horseman, Miss L. E.
Bridwell, Walter	Jacobs, Clara
Brown, Stella	Jennison, Girlie
Browning, May	Johnston, Inez
Buford, Elise	Jones, Violet C.
Bunker, Hazel	Kelley, Mrs. Beatrice
Carson, Mabel	Keyes, Ethel
Clever, Mabel	Kur, Charlotte
Cline, Miss M. E.	Leonard, C. B.
Cook, Edith	Lewis, Florence
Cook, Maude	Lewis, Garland
Cooper, M. E.	Lloyd, Mrs. D. W.
Crook, Jessie	Longwell, Margaret
Dickson, Miss L. B.	Lynn, Inez
Dinsmore, Lura	Macloskey, Pearl
Dinsmore, Marguerita	McDaniel, Miss J. E.
Dougherty, Hugh M.	McMillan, Mauneena
Downe, Mrs. A.	McNutt, Miss M.
Downer, Pearl	Mennell, Olive
Edwards, Carieta	Mills, Mary
Edwards, D. W.	Morris, Bertha
Ellis, Bessie	Morrison, Wayland A.
Ferguson, Russell	Neff, Essie
Ferguson, Elsie	Obear, Katharine
Frazee, Hallie M.	Patton, Madge
Gibson, Bess	Payton, Mabel
Goodman, Shirley	Pendleton, C. W.

Prior, C. E.	Trowbridge, Carrie
Prior, Guy	Turner, George
Reese, Erna	Tuffield, Katy
Richards, L. Winifred	Van Aken, Gertrude
Richardson, Della	Walter, Dottie
Riner, Grace	Walter, Miss J.
Ruenitz, Harriet	Walter, Miss M.
Scott, Mary	Walters, Gussie
Shankland, Sarah	Walker, Mary
Smith, Elva	Walsh, Nina
Stabler, Mrs. L. J.	Weaver, Royal
Starr, Ross	Webb, Evah
Stevens, Mrs. F. G. H.	Webster, Leila
Stewart, C. A.	Welfer, Vantia
Taylor, Mrs. H. N.	Wheeler, Florence
Thompson, Francis	Wheeler, Harold
Tift, Mrs. A. M.	White, C. J.
Tinker, Minnie	White, Mrs. Estelle
Traphagen, Dorothy	Williams, Cecile
Tremain, Ethel	Williamson, Lillian

## THE COLLEGE OF ORATORY

## CLASS

Abbott, Lula	Harper, Cora
Addison, Edna	Hawley, Maude
Ashcraft, Edwin	Higgins, Thomas Patrick
Avery, Ralph	Hubbard, John K.
Best, Oliver W.	Kelly, Clara
Bordner, R. O.	Leavenworth, Emma F.
Carr, Charlotta	Michaelson, Phileathia
Christy, Waldo B.	Morris, Josie
Clarke, Vernie	Partenico, Rose
Cook, Orwyn	Shenk, Susie
Dickson, Lulu	Simmons, Earl S.
Dyar, Guy	Sinclair, Daisy
Edwards, Effie	Speicher, Florence
Edwards, Jennie	Stafford, Florence
Garcia, Ernest B.	Warden, Carrie May

## PRIVATE PUPILS

Abbott, Lula	Edwards, Jennie
Addison, Edna	Garcia, Ernest B.
Avery, Ralph	Gibson, Hugh C.
Bates, Emma	Grove, Verna Lucille
Bothwick, Margaret	Harper, Cora
Carr, Charlotta	Heil, Mildred
Christy, Waldo B.	Hubbard, John
Clarke, Vernie	Kelly, Clara
Cook, Orwyn	Prior, Percy
Cory, Eleanor	Rundell, John
Cronemiller, Flora	Sinclair, Daisy
Dickson, Lulu	Smith, Eva
Dyar, Cora	Simmons, Earl S.
Dyar, Guy	Stafford, Florence
Edwards, Effie	Wiles, Mabel

## PHYSICAL EXPRESSION

Abbott, Lula	Grove, Verna
Addison, Edna	Harper, Cora
Carr, Charlotta	Kelly, Clara
Dickson, Lulu	Leavenworth, Emma
Edwards, Effie	Sinclair, Daisy
Edwards, Jennie	Stafford, Florence
Fuller, Ruby	Warden, Carrie May

## CHILDREN'S DEPARTMENT

Aldrich, Edith	Meuir, Marie
Aldrich, Herbert	Morrison, Ada
Alexander, Bertha	Obear, Frank
Anderson, Willie	Obear, Katherine
Bell, Byron	Parker, Hazel
Bright, Elsie	Quitze, Flossie
Bright, Hazel	Reichenbach, Ruth
Bovard, Gladys	Scoville, Edith
Campbell, Alice	Thornburg, June
Dyar, Dorothy	Tuttle, Bessie
Fowble, Dwight	Tuttle, Claire
Gardner, Roy	Van Aken, Earl
George, Verle	White, Dorothy
Hawley, Earl	White, Marjorie
Huddleston, Gertrude	Wright, Tod

## THE COLLEGE OF FINE ARTS

Alexander, Max	King, Mrs.
Allen, Mrs.	Kirk, Birdie
Barndollar, Harry	Langworthy, Mrs.
Bell, Mrs. W. B.	Larue, Logan
Blunive, Edna	Lee, Mamie
Bodkin, Florence	McGuirk, Gertrude
Bohan, Mrs. E. B.	McKay, John
Bond, Gertrude	Moore, Bruce
Brooke, Vera	Moore, Nell
Campbell, Juliette D.	Nichols, Lala M.
Chapman, Guy	Nichols, Viola
Clyburn, Lester	Parker, J. D.
Couverley, Etta A.	Pitcher, Rose
Conway, Adele	Pratt, Marguerette
Cook, Alma May	Reeves, Ethel
Corbin, Mark	Slinkard, R. R.
Creighton, Mrs. F. G.	Tibbetts, Mabel
Dands, Mrs.	Tottenham, Arley G.
Duey, Winifred	Tritt, C. M.
Fletcher, Ruth	Troconiz, Celia
Fulkerson, A. D.	Tupman, Laura
Gardner, Alva	Vernon, Arthur G.
Garland, Mrs. Wm.	Warnecke, Carl
Gettins, Edwin	Wells, Ava
Godfrey, Myrtle	Wiefenbach, Alma
Hill, Mrs. L. E.	Wiley, Arabella
Hillis, Ala T.	Willard, Florence
Holway, Mildred	Williams, Francis
Hunter, Nellie	Willis, Harriet
Ingraham, Lena L.	Winter, Flora
Jones, Jessie	

## THE PREPARATORY SCHOOL

## FOURTH YEAR

Armstrong, Gladys A.	Montgomery, Wayne Warren
Curl, Robert Latta	Parsons, Charles Leroy
Cynn, Hugh H.	Peyton, Robert Clarke
Hawkins, Verner Ervin	Prior, Percy Harley
Hoegerman, Rose Charlotte	Rider, Katherine May
Koebig, Adolf H.	Simmons, Earl S.
McCoy, Lon Stephens	Smith, Elva
Miller, Maude Hazel	Thornton, Ethel

## THIRD YEAR

Archer, William I.	Munson, Arthur C.
Bickford, Jay Hamilton	Parmenter, Charles Leroy
Bien, Beulah Vernon	Pitner, Helen
Blackburn, Porter Conrad	Poindexter, Mabel M.
Buchanan, Genevieve	Prior, Guy Ralph
Burmeister, Emma Minnie	Rodgers, Tudor Stowe
Clay, Thomas Lymon	Rundell, John Thomas
Comstock, Solomon Boyd	Shenk, Susie
Harriman, William Ruddy	Speicher, Ernest Edwin
Hawley, Maude Lawrence	Speicher, Robert Austin
Hill, Hazel Ruth	Walker, Ernest Kelly
Hogan, Ethel Josephine	Walter, John Burton
Holder, Edith Marian	Warriner, H. H.
Hudson, Arthur Wellington	Willetts, Grace Alice
Hunley, Annette Phillis	Woodhead, Blanche
Jones, Clarence Edward	Woodhead, Florence Miriam
Kennedy, John H.	Woodhead, Lora Mae
Larkey, Lucile	Zander, Lucile

## SECOND YEAR

Adkinson, Katherine Wiley	Francis, Leon Sutton
Bayly, Roy D.	Fredenburg, Mary Pauline
Bovard, Edna Georgia	Funk, Foss Simpson
Brown, Frederic Raymond	Gibbs, William J.
DeMeritt, Frank Raymond	Glass, Cora Julia
Dougherty, Hugh Martin	Green, May A.

Griffin, Alice Marguerite  
 Hollister, Bertha Louise  
 Hough, Margaret Alice  
 Jacobs, Mary Blanche  
 Jepson, Arthur Lincius  
 Jinbo, Masataro  
 Kempson, Essie Eva  
 Lovitt, Clyde  
 McKenney, Joseph Wilson  
 Newcomb, Jessie Eva  
 Prior, Clarence E.  
 Purinton, Edgar Richard  
 Rose, Sarah G.

Scott, Ben David  
 Shields, Harry John  
 Smith, Eva Mae  
 Smith, Oliver Eugene  
 Speicher, Mary Maude  
 Terry, Deal M.  
 Thompson, Ezra McC.  
 Thorne, Emily Agnes  
 Uber, Edna Radcliffe  
 Upright, John Norman  
 Wallace, Kenneth Clark  
 Woods, Walter William  
 Zander, Lloyd

FIRST YEAR

Abbott, Lula E.  
 Anderson, Frances Willard  
 Anderson, Mary Ruth  
 Averill, Ida Fredrica  
 Barnhart, Percy Spencer  
 Beardslu, Alvis R.  
 Boughton, Mabel Jessie  
 Bridwell, Walter C.  
 Briggs, Fred C.  
 Brode, Alverda June  
 Brown, Stella Athena  
 Brown, Warren Homer  
 Burbank, Marguerite  
 Burmeister, Laura Elise  
 Campbell, Lyla H.  
 Carter, Irene Louise  
 Cass, Louis  
 Chapin, Don F.  
 Clarke, Vernie E.  
 Collins, Cleo F.  
 Cronemiller, Flora May  
 Davis, William Ralph  
 Elliott, Karl B.  
 Fisher, Rachel Alberta

Foster, Edward Claud  
 Frost, Earle N.  
 Ginther, Helen  
 Grainger, Kyle Zenas  
 Harper, Cora Minnie  
 Hay, Arthur Woodhull  
 Henderson, Lowell V.  
 Higgins, Arthur  
 Hoffman, Roy John  
 Hummel, George P.  
 Jack, Norman  
 Jewett, Aileen Virginia  
 Johnson, Jesse Paul  
 Johnston, Inez Aline  
 Judkins, Hazel  
 Karns, Roscoe Lewis  
 Klitten, Carl Andrew E.  
 La Rue, Dorothy  
 Lennox, Howard  
 McCoy, John Rush  
 McMillan, Carrie Mauneena  
 Meyers, Edith Marie  
 Montgomery, Lorena E.  
 Nast, Frieda Mildred



Newbanks, Mattie Estella  
Oertly, Bertha  
Owen, Theodore P.  
Reese, Erna  
Riechers, Bertha Luise  
Rindge, Frederick Hastings  
Rivers, Lillian Frances  
Schurmer, Oscar  
Sexton, Grace Ellen  
Starr, Ross Vincent

Stombs, Jessie  
Thompson, Edd G.  
Thorne, Mary Marguerita  
Walker, Nina Irene  
Wallace, Edgar H.  
Walters, Howard Corey  
Ware, Wilfrid Gordon  
Williams, Gertrude  
Wood, Jesse H., Jr.  
Wright, Ruby

## SPECIALS

Acker, Frank W.  
Avery, Ralph E.  
Barnard, H. E.  
Brundige, Mabel  
Camp, James M.  
Cass, Frank T.  
De Lappe, Jack B.  
Durnal, Myrtle  
Edwards, David W. Jr.  
Edwards, Effie May  
Edwards, Jennie Carlotta  
Edwards, Mabel  
Ferguson, Russell Lowell  
Hawley, Earl Justeen  
Hawkins, Ket  
Higgins, John J.  
Hill, Blanche May  
Hue, Ernest Vance  
Huen, Ming Cho  
Ikugoro, Nagamats  
Jackson, Ada  
Komichi, C.  
Lockhart, Loue Ethel  
Lusk, William Franklin

Marks, Fannie  
Marshall, Grace  
McCoy, Earl Tucker  
Minger, Irwin W.  
Morse, Vera B.  
Okubo, Unasuke  
Peabody, Margaret  
Prior, Herman A.  
Prueger, Lionel Arnold  
Rahr, Marie  
Raymond, Charles Wesley  
Roberts, Charles See  
Scott, Homer Davis  
Sherwood, Guy Cedric  
Smith, Elsie May  
Stafford, Florence Robbins  
Steller, Guy Earl  
Tufts, Roy M.  
Walters, Gussie R.  
Webb, Evah L.  
Webb, Jesse Ernest  
White, Charles J.  
Wiles, Mabel Lizzie  
Yukichi, Naito

THE COMMERCIAL SCHOOL

Averill, Frederica	Hunt, Elizabeth M.
Baker, H. A.	Knapp, M. L.
Biddles, Neal	Marshall, Grace
Bridwell, W. C.	Munson, Arthur
Bosbyshell, William	Naito, Y.
Campbell, Lyla	Newbanks, Myrtle E.
Carpenter, Leigh R.	Niles, P. H.
Crowell, D. H.	Osborn, Neville
Davis, W. R.	Prior, C. E.
Durnal, Myrtle	Scheu, Carl W.
Edmonds, Susie E.	Scholfield, M. E.
Frost, Earl N.	Smith, O. E.
Gilmore, Courtlandt P.	Thompson, E. G.
Ginther, Helen	Thompson, Hallie
Hall, Kathryn	Walker, Nina I.
Hall, Melvin V.	Ware, Wilfrid G.
Hawkins, Ket	Wiles, Mabel L.
Henderson, John W.	Williams, Gertrude
Hobson, N. T.	Zander, Lloyd
Huen, M. P.	

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